API Well Number: 43047542520000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☑

APPLICATION FOR PERMIT TO DRILL

	1. WELL NAME and NUMBER Thayer 10-2-4-1W
2. TYPE OF WORK DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○	**3. FIELD OR WILDCAT** WINDY RIDGE
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO	**5. UNIT or COMMUNITIZATION AGREEMENT NAME**
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY	**7. OPERATOR PHONE** 435 646-4825
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052	**9. OPERATOR E-MAIL** mcrozier@newfield.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) FEE	**11. MINERAL OWNERSHIP** FEDERAL ○ INDIAN ○ STATE ○ FEE ◉
12. SURFACE OWNERSHIP FEDERAL ○ INDIAN ○ STATE ○ FEE ◉	
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Farrell and Jolene Farnsworth	**14. SURFACE OWNER PHONE (if box 12 = 'fee')** 435-733-0375
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') PO Box 111, Duchesne, UT 84021	**16. SURFACE OWNER E-MAIL (if box 12 = 'fee')**
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	**18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS** YES ○ (Submit Commingling Application) NO ◉
19. SLANT VERTICAL ◉ DIRECTIONAL ○ HORIZONTAL ○	

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1865 FSL 1847 FEL	NWSE	2	4.0 S	1.0 W	U
Top of Uppermost Producing Zone	1865 FSL 1847 FEL	NWSE	2	4.0 S	1.0 W	U
At Total Depth	1865 FSL 1847 FEL	NWSE	2	4.0 S	1.0 W	U

21. COUNTY UINTAH	**22. DISTANCE TO NEAREST LEASE LINE (Feet)** 527	**23. NUMBER OF ACRES IN DRILLING UNIT** 40
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1320	**26. PROPOSED DEPTH** MD: 8325 TVD: 8325
27. ELEVATION - GROUND LEVEL 5037	**28. BOND NUMBER** B001834	**29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE** 437478

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	12.25	8.625	0 - 900	24.0	J-55 ST&C	8.3	Class G	365	1.17	15.8
PROD	7.875	5.5	0 - 8325	17.0	N-80 LT&C	9.0	35/65 Poz	295	3.5	11.0
							50/50 Poz	523	1.35	14.0

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	☑ COMPLETE DRILLING PLAN
☑ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☐ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	☑ TOPOGRAPHICAL MAP

NAME Mandie Crozier	**TITLE** Regulatory Tech	**PHONE** 435 646-4825
SIGNATURE	**DATE** 01/15/2014	**EMAIL** mcrozier@newfield.com

API NUMBER ASSIGNED
43047542520000

APPROVAL

Permit Manager

RECEIVED: March 19, 2014

Newfield Production Company
Thayer 10-2-4-1W
NW/SE Section 2, T4S, R1W
Uintah County, UT

Drilling Program

1. Formation Tops

Uinta	surface
Green River	2,595'
Wasatch	7,525'
TD	8,325'

2. Depth to Oil, Gas, Water, or Minerals

Green River	2,595'	- 7,525'
Wasatch	7,525'	- TD

Fresh water may be encountered in the Uinta Formation, but is not expected below about 947'.

3. Pressure Control

Section	BOP Description
Surface	12-1/4" diverter bowl
Production	The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 3M system. A 3M BOP system will consist of 2 ram preventers (double or two singles) and an annular preventer (see attached diagram). A choke manifold rated to at least 3,000 psi will be used.

4. Casing

Description	Interval		Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Safety Factors		
	Top	Bottom							Burst	Collapse	Tension
Surface	0'	900'	24	J-55	STC	8.33	8.4	12	2,950	1,370	244,000
8 5/8									5.84	4.73	11.30
Production	0'	8,325'	17	N-80	LTC	8.8	9	--	7,740	6,290	348,000
5 1/2									2.60	2.05	2.46

Assumptions:

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)
Production casing MASP = (reservoir pressure) - (gas gradient)
All collapse calculations assume fully evacuated casing with a gas gradient
All tension calculations assume air weight of casing

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Gas gradient = 0.1 psi/ft

All casing shall be new.
All casing strings shall have a minimum of 1 centralizer on each of the bottom 3 joints.
Up to 20' of conductor drive pipe may be used, minimum diameter 13 3/8"

5. Cement

Job	Hole Size	Fill	Slurry Description	ft^3 / sacks	OH excess	Weight (ppg)	Yield (ft^3/sk)
Surface	12 1/4	900'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	427 / 365	15%	15.8	1.17
Production Lead	7 7/8	5,190'	35/65 Poz/Type II + 5% Bentonite	1034 / 295	15%	11.0	3.5
Production Tail	7 7/8	3,135'	50/50 Poz/Type II	706 / 523	30%	14.0	1.35

The surface casing will be cemented to surface. In the event that cement does not reach surface during the primary cement job, a remedial job will be performed.

Actual cement volumes for the production casing string will be calculated from an open hole caliper log, plus 15% excess.

6. Type and Characteristics of Proposed Circulating Medium

Interval **Description**

Surface - 900' An air and/or fresh water system will be utilized. If an air rig is used, the blooie line discharge may be less than 100' from the wellbore in order to minimize location size. The blooie line is not equipped with an automatic igniter. The air compressor may be located less than 100' from the well bore due to the low possibility of combustion with the air/dust mixture. A diverter bowl will be used in place of a rotating head. Water will be on location to be used as kill fluid, if necessary.

900' - TD A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite.

Anticipated maximum mud weight is 9.0 ppg.

7. Logging, Coring, and Testing

Logging: A dual induction, gamma ray, and caliper log will be run from TD to the base of the surface casing. A compensated neutron/formation density log will be run from TD to the top of the Garden Gulch formation. A Gamma Ray log will be run from TD to surface. A cement bond log will be run from PBTD to the cement top behind the production casing.

Cores: As deemed necessary.

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DST: There are no DST's planned for this well.

8. Anticipated Abnormal Pressure or Temperature

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.46 psi/ft gradient.

8,325' x 0.46 psi/ft = 3810 psi

No abnormal temperature is expected. No H_2S is expected.

9. Other Aspects

This is planned as a vertical well.
Newfield requests the following Variances from Onshore Order # 2:

- Variance from Onshore Order 2, III.E.1
  Refer to Newfield Production Company Standard Operating Practices "Ute Tribal Green River Development Program" paragraph 9.0

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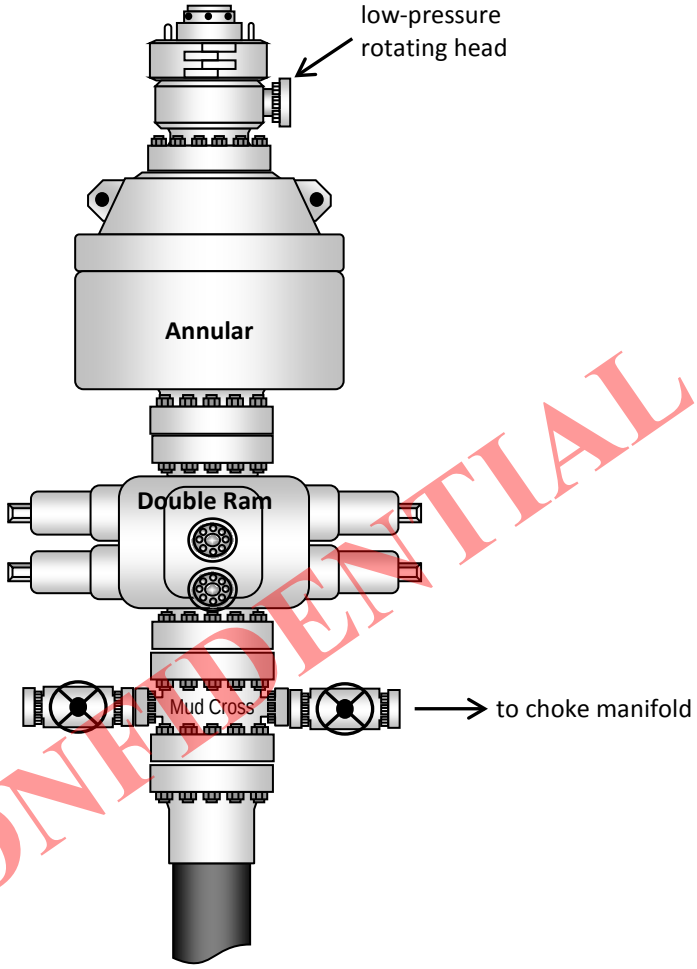
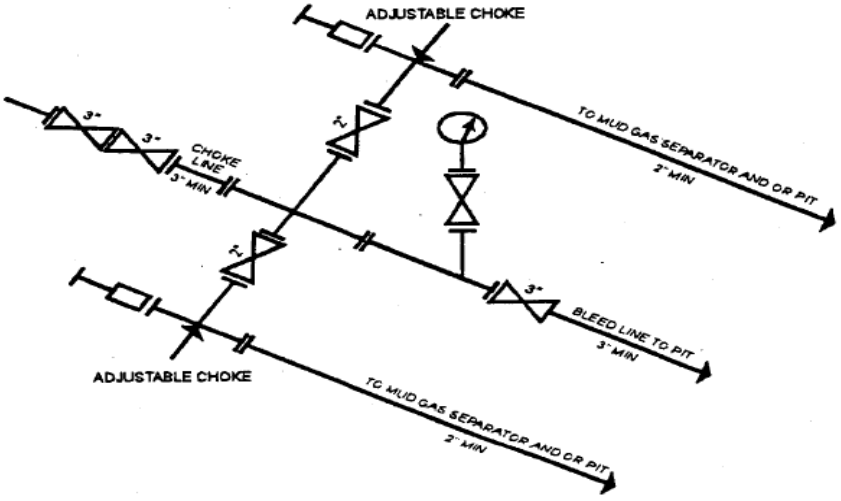
Typical 3M BOP Stack Configuration





3M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY
[54 FR 39528, Sept. 27, 1989]

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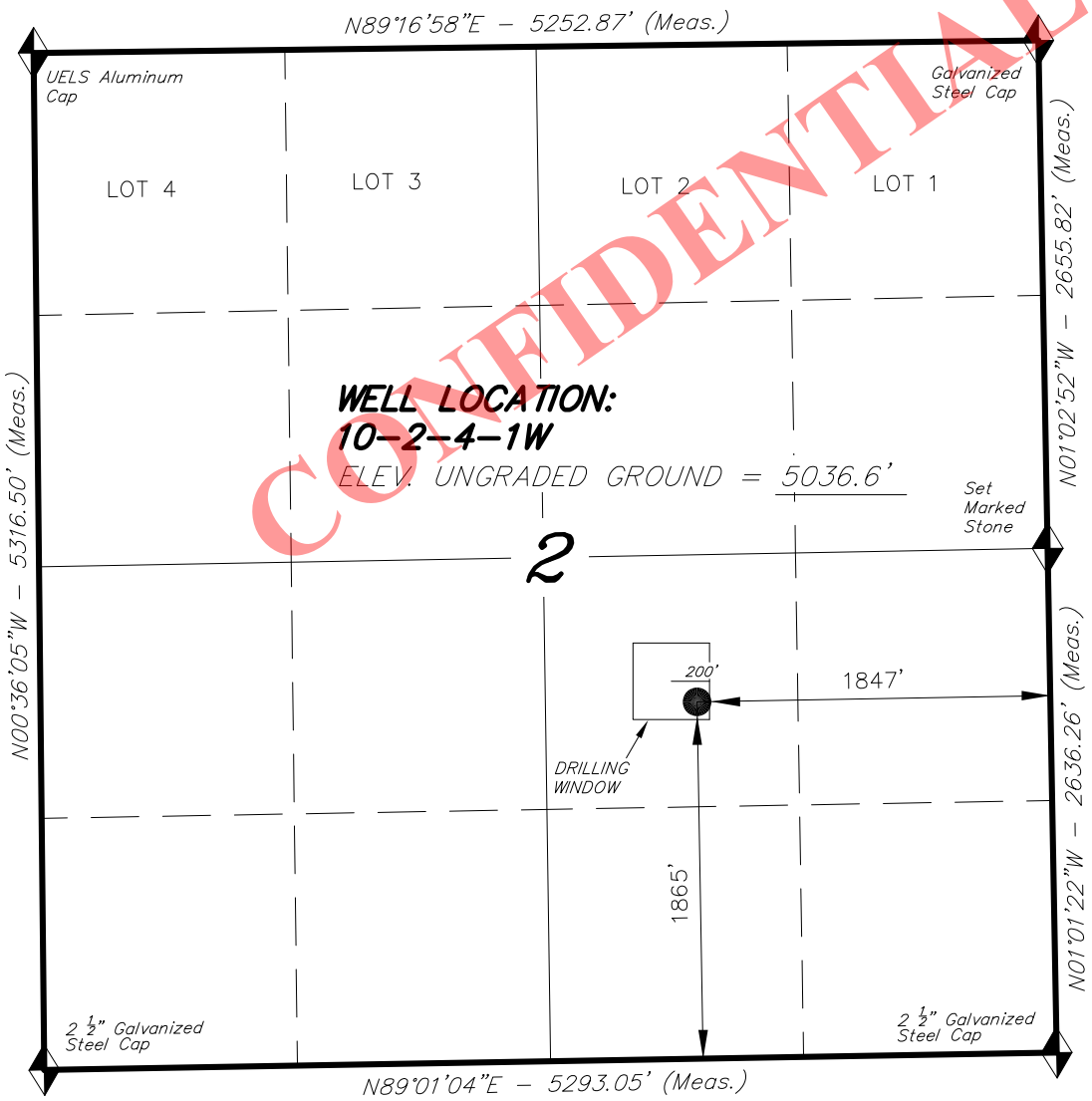
API Well Number: 43047542520000

T4S, R1W, U.S.B.&M.



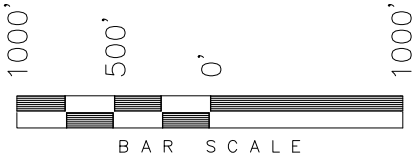
= SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

NAD 83 (SURFACE LOCATION)
LATITUDE = 40°09'42.93"
LONGITUDE = 109°57'38.75"
NAD 27 (SURFACE LOCATION)
LATITUDE = 40°09'43.07"
LONGITUDE = 109°57'36.22"

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 10-2-4-1W, LOCATED AS SHOWN IN THE NW 1/4 SE 1/4 OF SECTION 2, T4S, R1W, U.S.B.&M. UINTAH COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR No.189377 12-17-13 STACY W. STEWART STATE OF UTAH

REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING

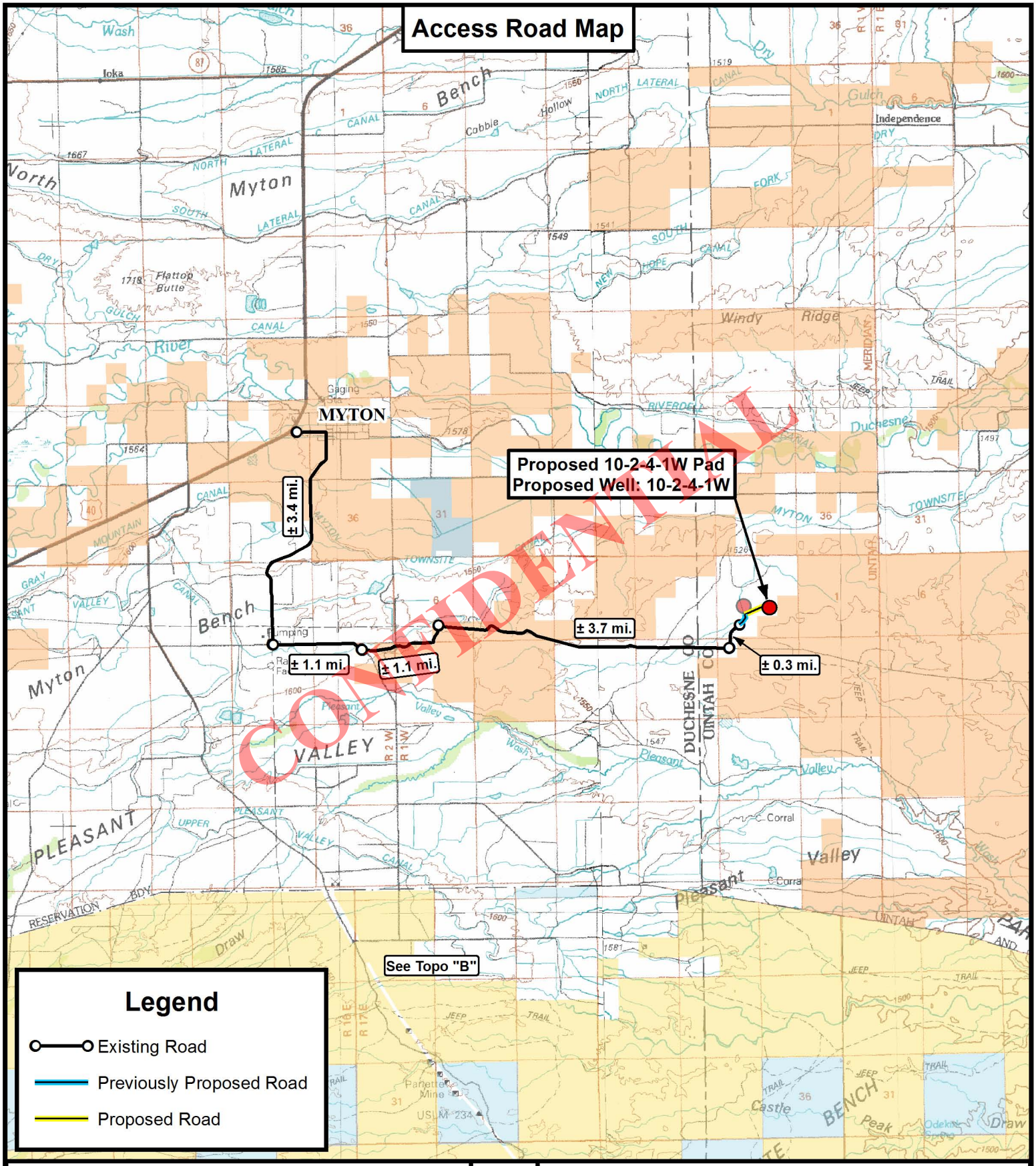
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 12-16-13	SURVEYED BY: Q.M.	VERSION:
DATE DRAWN: 12-17-13	DRAWN BY: M.W.	V1
REVISED:	SCALE: 1" = 1000'	

RECEIVED: January 15, 2014

API Well Number: 43047542520000

Access Road Map



Legend

- Existing Road
- Previously Proposed Road
- Proposed Road

Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

Proposed 10-2-4-1W Pad
Proposed Well: 10-2-4-1W
Sec. 2, T4S, R1W, U.S.B.&M.
Uintah County, UT.

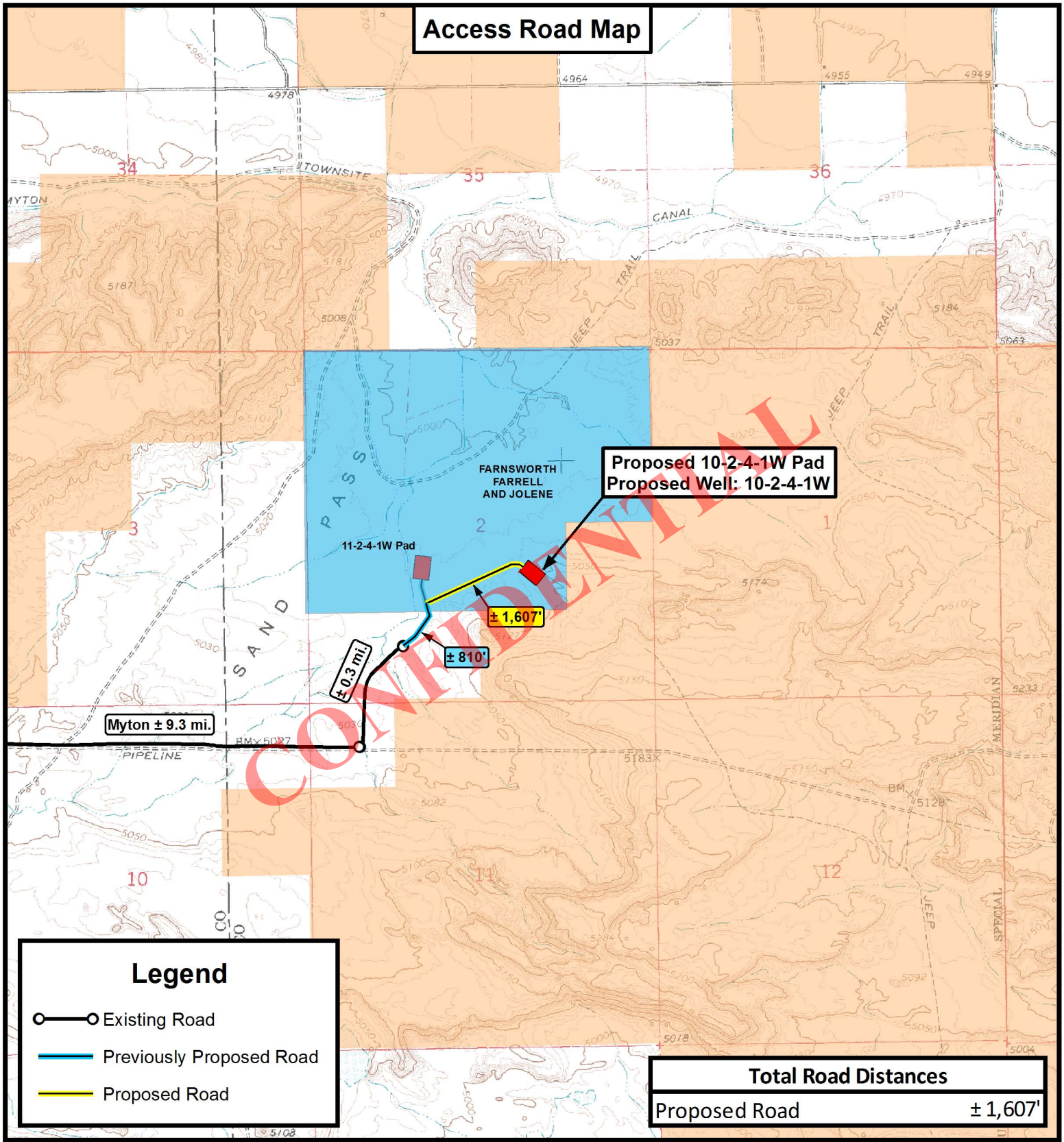
DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	12-19-2013		V1
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET **A**

API Well Number: 43047542520000

Access Road Map



Legend

- Existing Road
- Previously Proposed Road
- Proposed Road

Total Road Distances	
Proposed Road	± 1,607'

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

Proposed 10-2-4-1W Pad
Proposed Well: 10-2-4-1W
Sec. 2, T4S, R1W, U.S.B.&M.
Uintah County, UT.

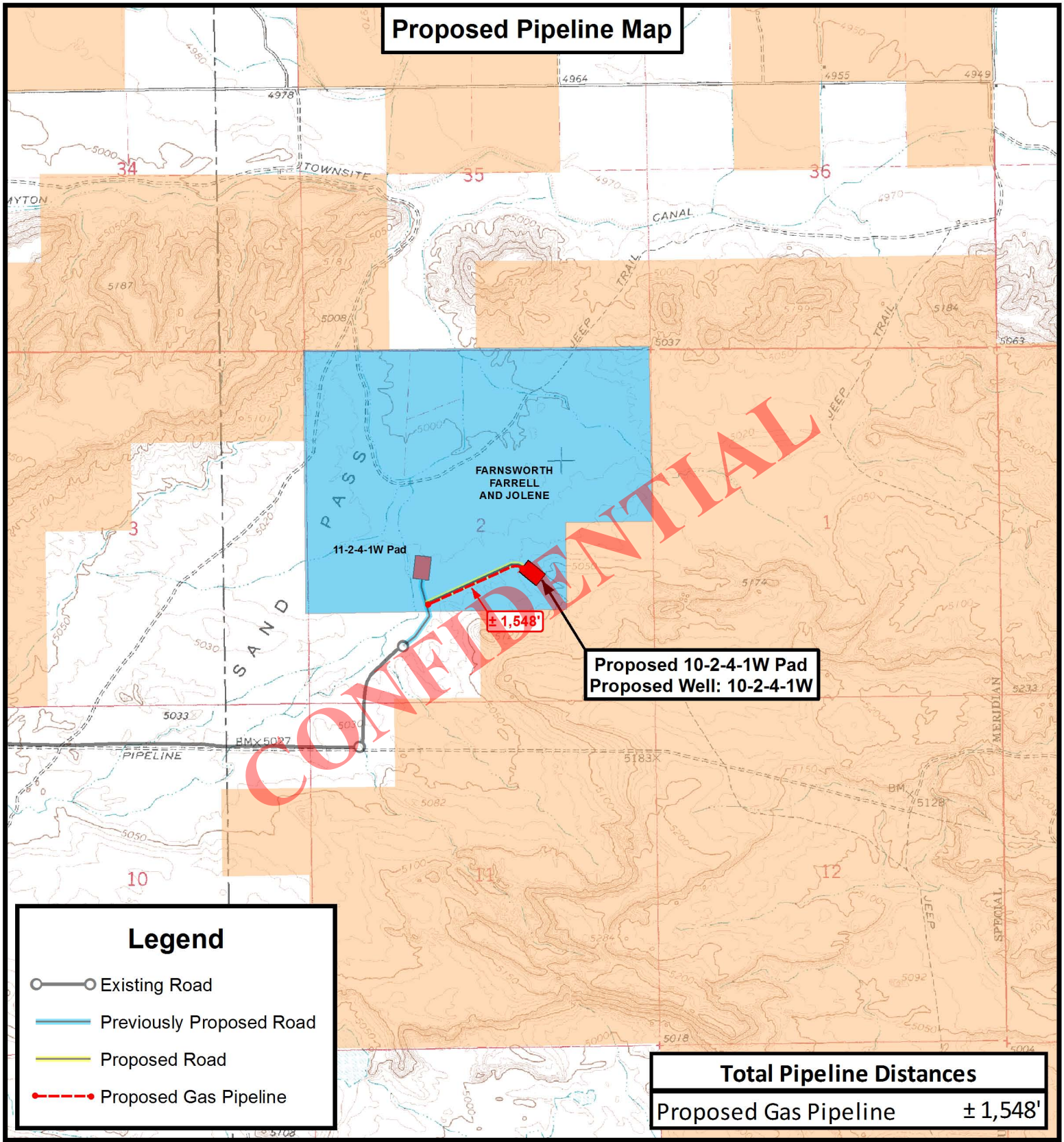
DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	12-19-2013		V1
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET B

API Well Number: 43047542520000

Proposed Pipeline Map



Legend

- Existing Road
- Previously Proposed Road
- Proposed Road
- Proposed Gas Pipeline

Total Pipeline Distances	
Proposed Gas Pipeline	± 1,548'

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY
Proposed 10-2-4-1W Pad
Proposed Well: 10-2-4-1W
Sec. 2, T4S, R1W, U.S.B.&M.
Uintah County, UT.

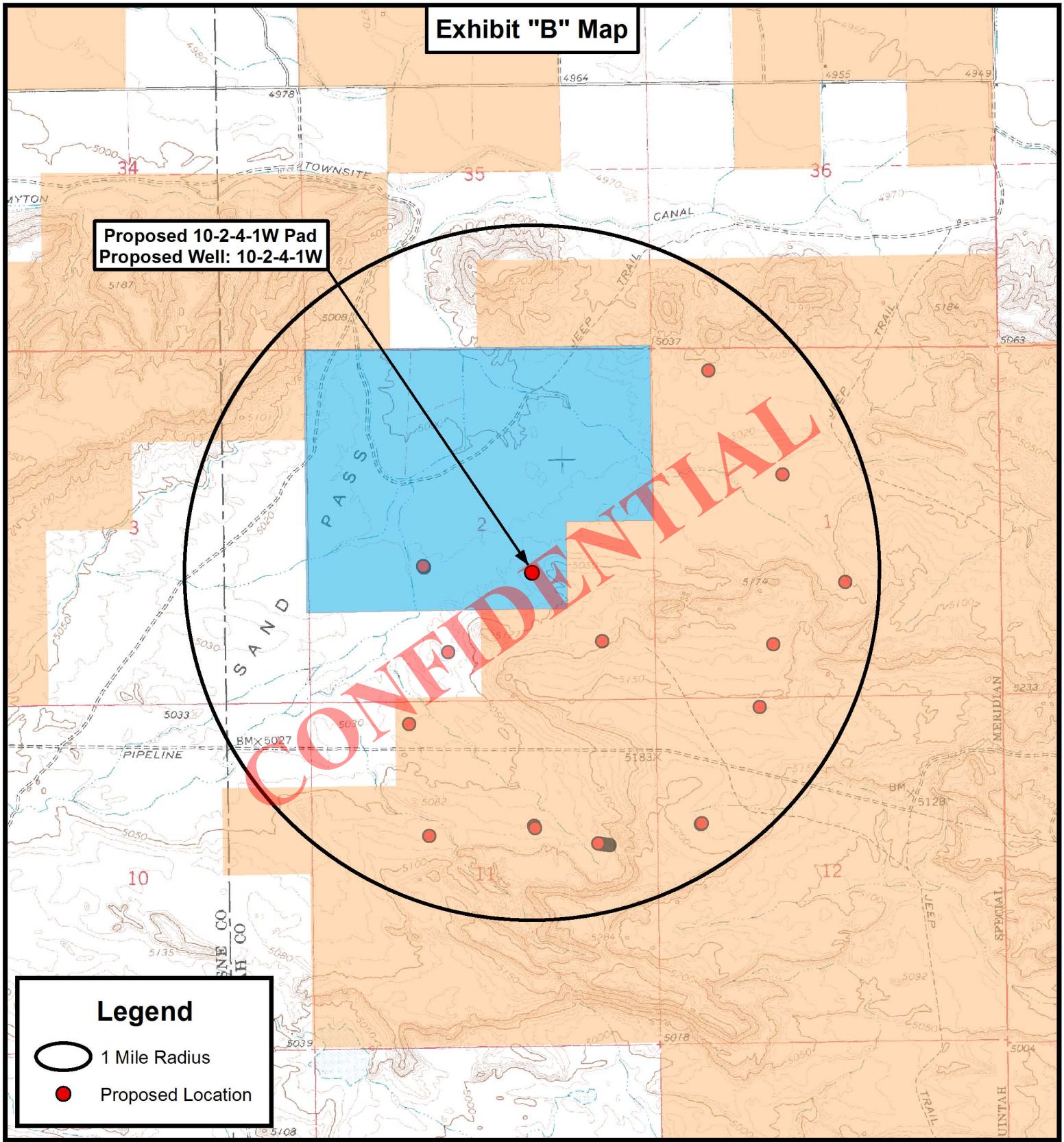
DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	12-19-2013		V1
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET C

API Well Number: 43047542520000

Exhibit "B" Map



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

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N

NEWFIELD EXPLORATION COMPANY

Proposed 10-2-4-1W Pad
Proposed Well: 10-2-4-1W
Sec. 2, T4S, R1W, U.S.B.&M.
Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:	VERSION:
DATE:	12-19-2013		V1
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET **D**

API Well Number: 43047542520000

Coordinate Report

Well Number	Feature Type	Latitude (NAD 83) (DMS)	Longitude (NAD 83) (DMS)
10-2-4-1W	Surface Hole	40° 09' 42.93" N	109° 57' 38.75" W

Well Number	Feature Type	Latitude (NAD 83) (DD)	Longitude (NAD 83) (DD)
10-2-4-1W	Surface Hole	40.161926	109.960764

Well Number	Feature Type	Northing (NAD 83) (UTM Meters)	Longitude (NAD 83) (UTM Meters)
10-2-4-1W	Surface Hole	4446247.344	588499.804

Well Number	Feature Type	Latitude (NAD 27) (DMS)	Longitude (NAD 27) (DMS)
10-2-4-1W	Surface Hole	40° 09' 43.07" N	109° 57' 36.22" W

Well Number	Feature Type	Latitude (NAD 27) (DD)	Longitude (NAD 27) (DD)
10-2-4-1W	Surface Hole	40.161965	109.960061

Well Number	Feature Type	Northing (NAD 27) (UTM Meters)	Longitude (NAD 27) (UTM Meters)
10-2-4-1W	Surface Hole	4446042.013	588561.985

Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

NEWFIELD EXPLORATION COMPANY

Proposed 10-2-4-1W Pad
Proposed Well: 10-2-4-1W
Sec. 2, T4S, R1W, U.S.B.&M.
Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:	
DATE:	12-19-2013		
VERSION:	V1		

COORDINATE REPORT

SHEET 1

RECEIVED: January 15, 2014

AFFIDAVIT OF EASEMENT, RIGHT-OF-WAY AND SURFACE USE AGREEMENT

Peter Burns personally appeared before me, being duly sworn, deposes and with respect to State of Utah R649-3-34.7 says:

1. My name is Peter Burns. I am a Landman for Newfield Production Company, whose address is 1001 17th Street, Suite 2000, Denver, CO 80202 ("Newfield").

2. Newfield is the Operator of the proposed Thayer 10-2-4-1W well with a surface location to be positioned in the NWSW of Section 2, Township 4 South, Range 1 West, Uintah County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Farrell and Jolene Farnsworth whose address is P.O. Box 111, Duchesne, UT 84021 ("Surface Owner").

3. Newfield and the Surface Owner have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated December 20, 2013 covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.

Peter Burns

ACKNOWLEDGEMENT

STATE OF COLORADO §
§
COUNTY OF DENVER §

Before me, a Notary Public, in and for the State, on this 14th day of January, 2014, personally appeared Peter Burns, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.

NOTARY PUBLIC

My Commission Expires:

MARY KATHRYN PORTUS
Notary Public
State of Colorado
Notary ID 19934001921
My Commission Expires Feb 15, 2017

NEWFIELD PRODUCTION COMPANY
THAYER 10-2-4-1W
AT SURFACE: NW/SE SECTION 2, T4S, R1W
UINTAH COUNTY, UTAH

MULTI-POINT SURFACE USE & OPERATIONS PLAN

The onsite inspection for this pad will need to be set up as soon as the APD is received by the State of Utah DOGM. This will be a new well pad with one proposed vertical well.

1. EXISTING ROADS

a) To reach Newfield Production Company well location site Thayer 10-2-4-1W, proceed in a southerly direction out of Myton, approximately 3.4 miles to it's junction with an existing road to the east; proceed in a easterly direction approximately 5.9 miles to it's junction with an existing road to the northeast; proceed in a northeasterly direction approximately 0.4 miles to it's junction with the beginning of the proposed access road to the northeast; proceed in a northeasterly direction along the proposed access road approximately 1,607' to the proposed well location.

b) The proposed location is approximately 10.1 miles southeast of Myton, Utah

c) Existing native surface roads in the area range from clays to a sandy-clay shale material.

d) Access roads will be maintained at the standards required by UDOT, Duchesne County or other controlling agencies. This maintenance will consist of some minor grader work for road surfacing and snow removal. Any necessary fill material for repair will be purchased and hauled from private sources.

2. PLANNED ACCESS ROAD

a) Approximately 1,607 feet of access road trending notheast is planned. The planned access consists of entirely new disturbance across entirely private surface. See attached Topographic Map "B".

b) The planned access road will consist of a 20-foot permanent running surface crowned and ditched in order to handle any run-off from any precipitation events. The maximum grade will be 10% or less.

c) Adequate drainage structures, where necessary, would be incorporated into the construction of the access road to prevent soil erosion and accommodate all-weather traffic.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

a) Refer to Topographic Map "D".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

a) There are no existing facilities that will be utilized.

b) It is anticipated that this well will be a producing oil well with some associated natural gas.

RECEIVED: January 15, 2014

c) Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

d) Tank batteries will be built to Federal Gold Book specifications.

e) All permanent above-ground structures would be painted a flat, non-reflective covert green color, to match the standard environmental colors. All facilities would be painted the designated color at the time of installation (weather permitting). Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.

f) Newfield Production Company proposes 1,548' of proposed gas pipeline. The proposed pipeline corridor across entirely Fee surface connecting existing pipeline corridor on Fee surface. See attached Topographic Map "C".

g) Where parallel corridors exist the disturbed area will be 60 feet wide to allow for construction of the proposed access road and pipeline corridor. The pipeline corridor will consist of a 12-inch or smaller natural gas pipeline and a 6-inch or smaller fuel gas line.

h) The pipeline will tie in to the existing Newfield pipeline infrastructure. The construction phase of the planned access road, proposed pipelines will last approximately (10) days.

i) The centerline of the proposed route will be staked prior to installation. Pipelines shall be placed as close to existing roads as possible without interfering with normal road travel or road maintenance activities. Due to the proximity of existing facilities, no temporary use or construction/storage areas are anticipated.

j) Lengths of pipe will be strung out in the borrow ditch, welded together, and rolled or dragged into place with heavy equipment. For pipelines that are installed cross-country, travel along the lines will be infrequent and for maintenance needs only. No installation activities will be performed during periods when the soil is too wet to adequately support installation equipment. If such equipment creates ruts in excess of four (4) inches deep, the soil will be deemed too wet to adequately support the equipment.

5. LOCATION AND TYPE OF WATER SUPPLY

a) Newfield Production will transport water by truck from nearest water source. The available water sources are as follows:

- Johnson Water District (Water Right : 43-7478)
- Maurice Harvey Pond (Water Right: 47-1358)
- Neil Moon Pond (Water Right: 43-11787)
- Newfield Collector Well (Water Right: 47-1817 - A30414DVA, contracted with the Duchesne County Conservancy District).

6. SOURCE OF CONSTRUCTION MATERIALS

a) Construction material for this access road will be borrowed material accumulated during construction of the access road. If any additional borrow or gravel is required, it would be obtained from a local supplier having a permitted source of materials within the general area.

7. METHODS FOR HANDLING WASTE DISPOSAL

RECEIVED: January 15, 2014

a) A small pit (80 feet x 120 feet x 8 feet deep, or less) will be constructed inboard of the pad area. The pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM.

b) The pit would be lined with 16 mil (minimum) thickness polyethylene nylon reinforced liner material. The liner(s) would overlay straw, dirt and/or bentonite if rock is encountered during excavation. The liner would overlap the pit walls and be covered with dirt and/or rocks to hold them in place. No trash, scrap pipe, or other materials that could puncture the liner would be discarded in the pit. A minimum of two feet of free board would be maintained between the maximum fluid level and the top of the pit at all times.

c) A portable toilet will be provided for human waste.

d) A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

e) After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

f) All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Newfield Production Company guarantees that during the drilling and completion of the referenced well, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the referenced well, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

8. ANCILLARY FACILITIES

a) There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

a) See attached Location Layout Sheet.

Fencing Requirements

a) All pits will be fenced or have panels installed consistent with the following minimum standards:

1. The wire shall be no more than two (2) inches above the ground. If barbed wire is utilized it will be installed three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.

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2. Corner posts shall be centered and/or braced in such a manner to keep tight and upright at all times

3. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.

b) The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. PLANS FOR RESTORATION OF SURFACE:

a) Producing Location

1. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

2. The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting; the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) Dry Hole Abandoned Location

1. At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. SURFACE OWNERSHIP

a) Farrell and Jolene Farnsworth.

12. OTHER ADDITIONAL INFORMATION

a) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On federal administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.

b) A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Location and Reserve Pit Reclamation
Please refer to the Castle Peak and Eight Mile Flat Reclamation and Weed Management Plan.

13. LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:

Representative

Name: Corie Miller
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

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Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #10-2-4-1W, Section 2, Township 4S, Range 1W: Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Nationwide Bond #B001834.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

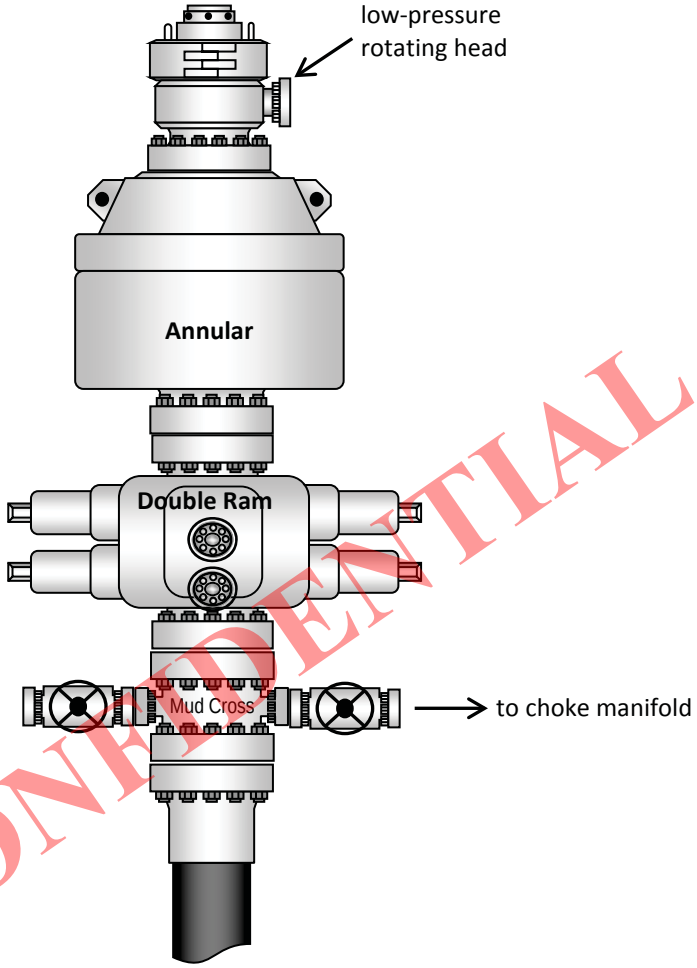
mcrozier@newfield.com
Digitally signed by mcrozier@newfield.com
DN: cn=mcrozier@newfield.com
Date: 2014.01.15 14:20:23 -07'00'

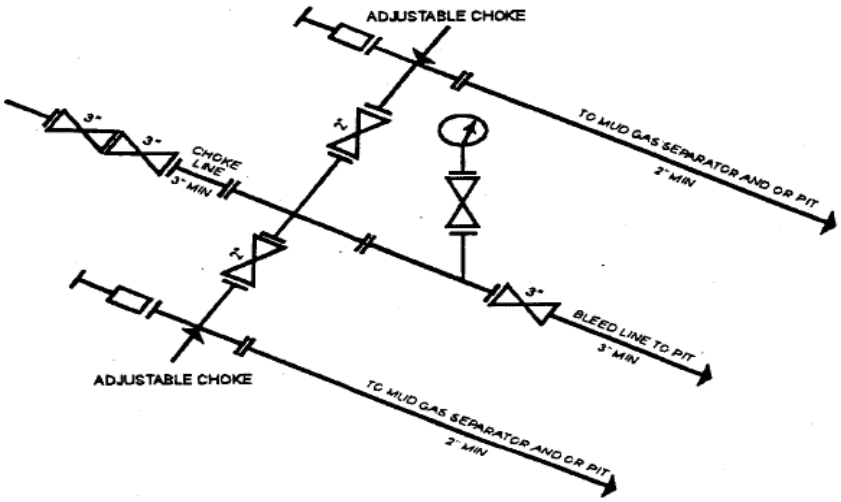
1/14/14
Date

Mandie Crozier
Regulatory Analyst
Newfield Production Company

RECEIVED: January 15, 2014

Typical 3M BOP Stack Configuration





3M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY
[54 FR 39528, Sept. 27, 1989]

RECEIVED: January 15, 2014

API Well Number: 43047542520000

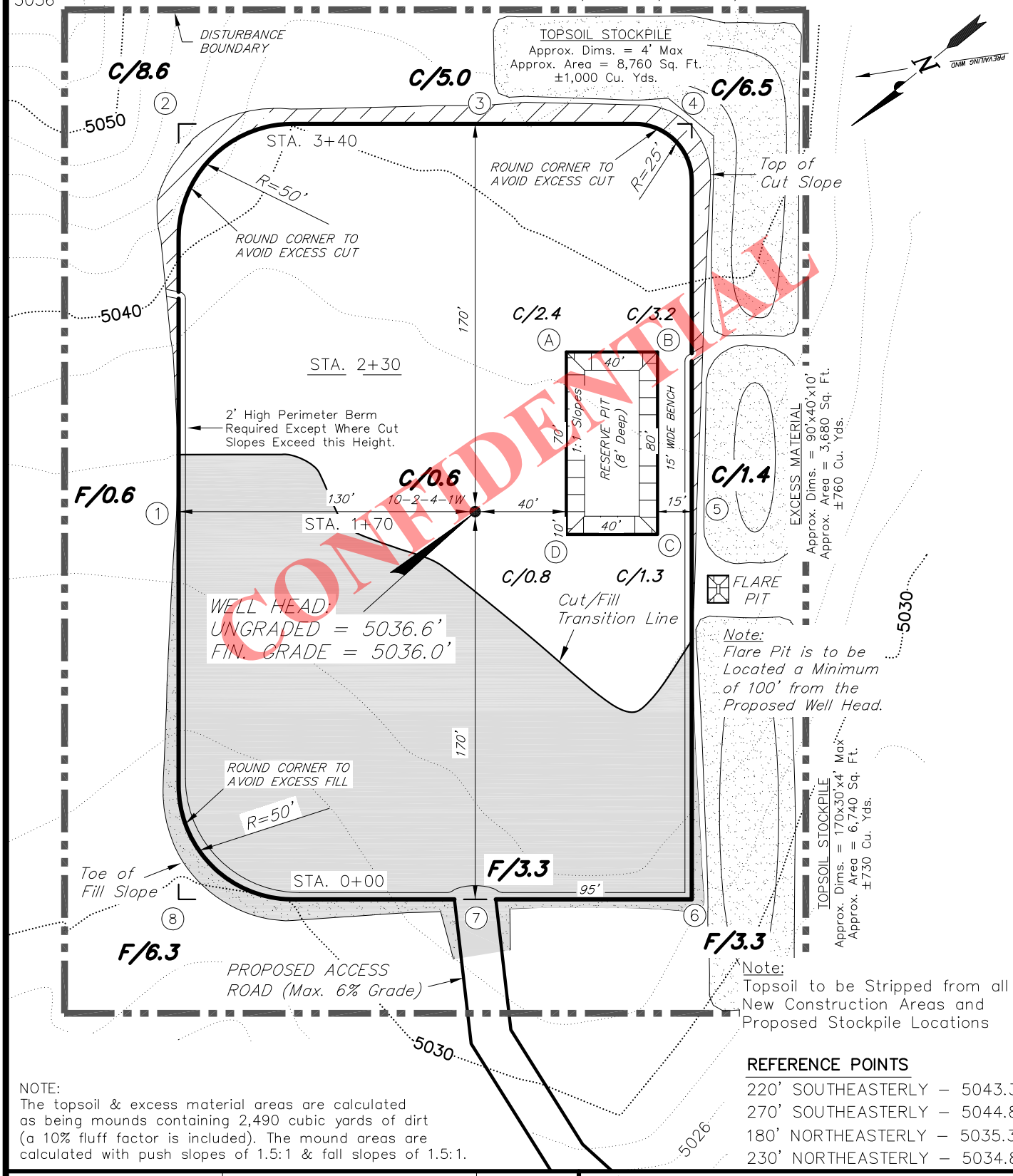
NEWFIELD EXPLORATION COMPANY

PROPOSED LOCATION LAYOUT

PROPOSED 10-2-4-1W PAD

PROPOSED WELL: 10-2-4-1W

Pad Location: NWSE Section 2, T4S, R1W, U.S.B.&M.



NOTE:
The topsoil & excess material areas are calculated as being mounds containing 2,490 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

REFERENCE POINTS

220' SOUTHEASTERLY – 5043.3'
270' SOUTHEASTERLY – 5044.8'
180' NORTHEASTERLY – 5035.3'
230' NORTHEASTERLY – 5034.8'

SURVEYED BY: Q.M.	DATE SURVEYED: 12-16-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: M.W.	DATE DRAWN: 12-17-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

RECEIVED: January 15, 2014

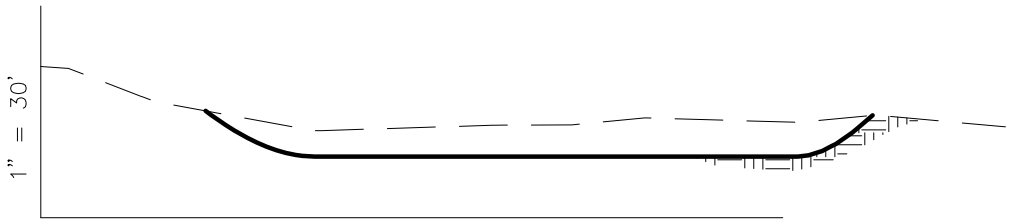
NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS

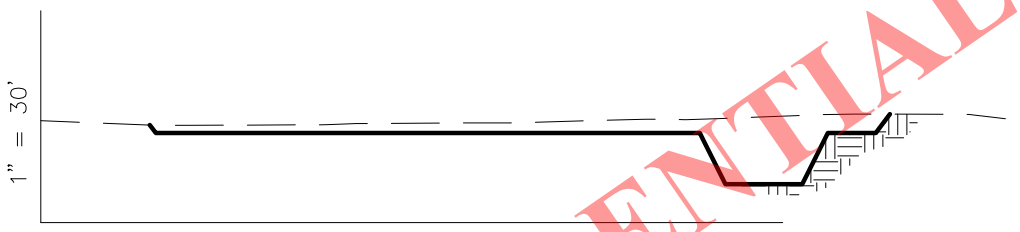
PROPOSED 10-2-4-1W PAD

PROPOSED WELL: 10-2-4-1W

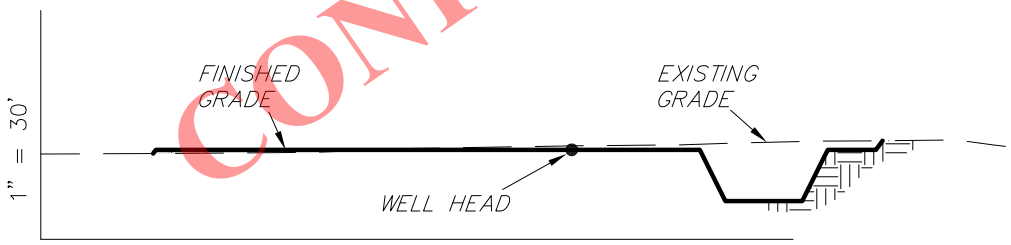
Pad Location: NWSE Section 2, T4S, R1W, U.S.B.&M.



STA. 3+40



STA. 2+30



STA. 1+70

STA. 0+00

NOTE:
UNLESS OTHERWISE NOTED ALL CUT/FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,190	3,190	Topsoil is not included in Pad Cut Volume	0
PIT	690	0		690
TOTALS	3,880	3,190	1,580	690

SURVEYED BY: Q.M.	DATE SURVEYED: 12-16-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: M.W.	DATE DRAWN: 12-17-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

RECEIVED: January 15, 2014

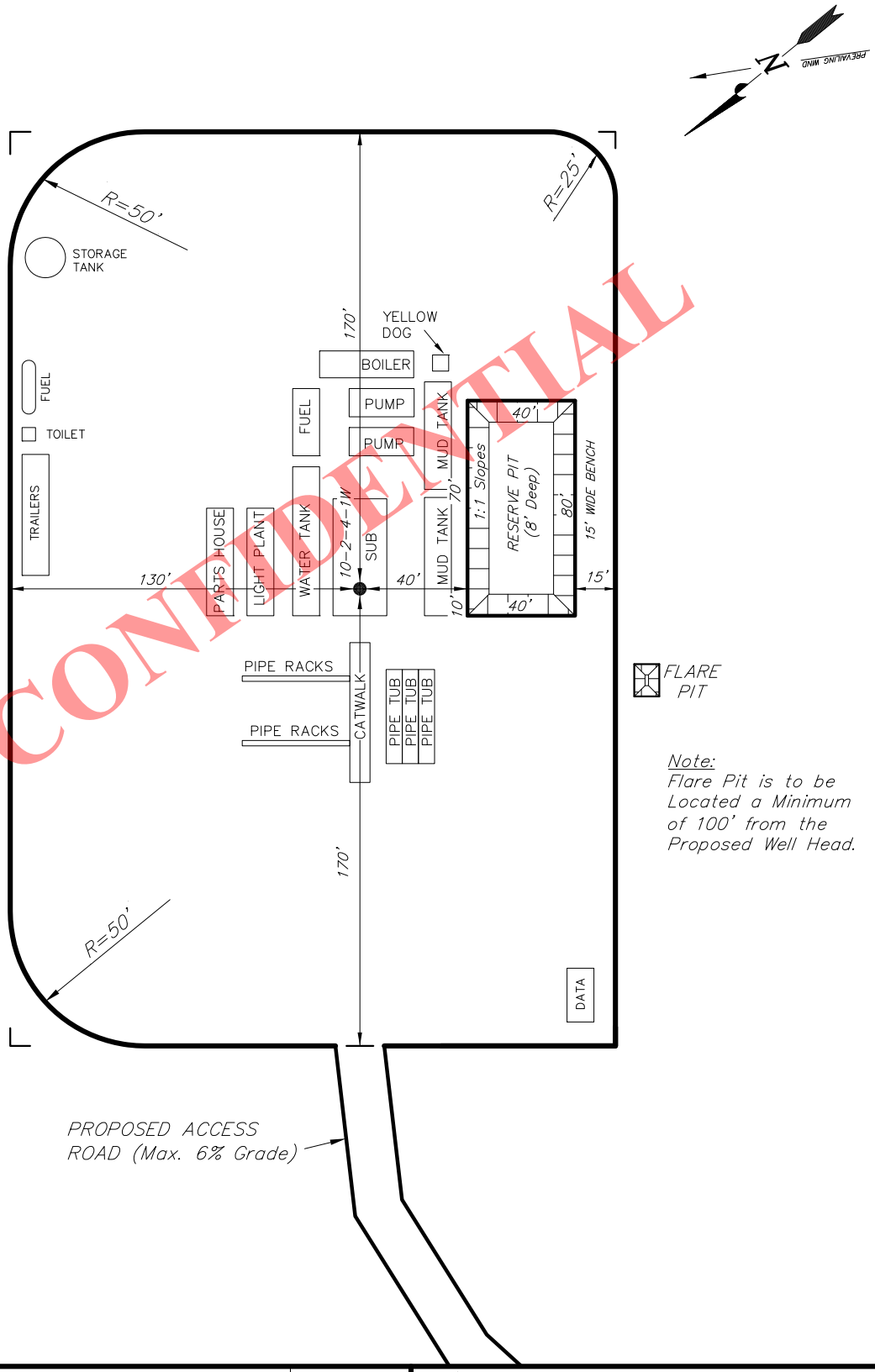
NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

PROPOSED 10-2-4-1W PAD

PROPOSED WELL: 10-2-4-1W

Pad Location: NWSE Section 2, T4S, R1W, U.S.B.&M.



Note:
Flare Pit is to be Located a Minimum of 100' from the Proposed Well Head.

SURVEYED BY: Q.M.	DATE SURVEYED: 12-16-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: M.W.	DATE DRAWN: 12-17-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

RECEIVED: January 15, 2014

API Well Number: 43047542520000

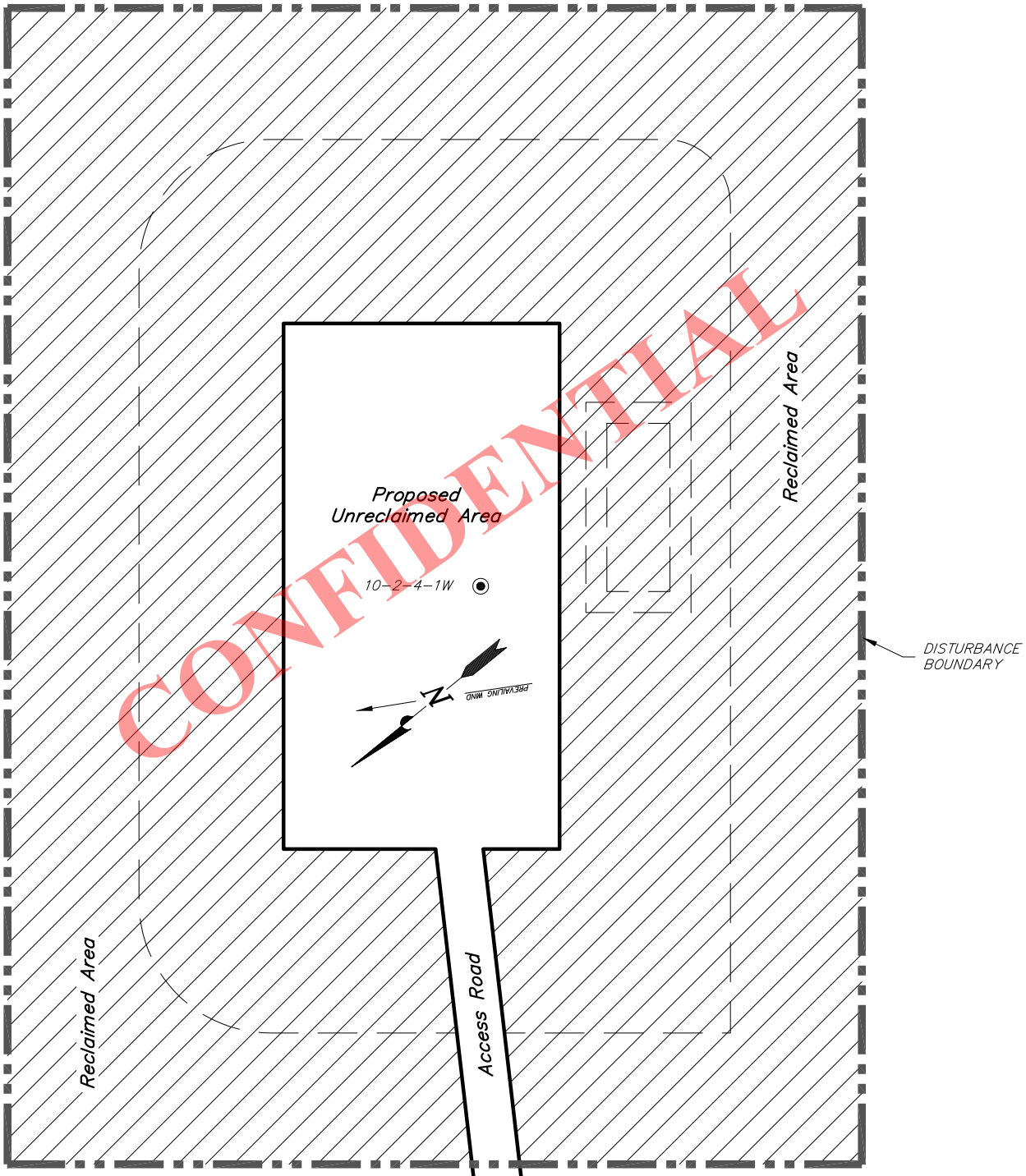
NEWFIELD EXPLORATION COMPANY

RECLAMATION LAYOUT

PROPOSED 10-2-4-1W PAD

PROPOSED WELL: 10-2-4-1W

Pad Location: NWSE Section 2, T4S, R1W, U.S.B.&M.



Notes:
1. Reclaimed Area to Include Seeding of Approved Vegetation and Sufficient Storm Water Management System.
2. Actual Equipment Layout and Reclaimed Pad Surface Area May Change due to Production Requirements or Site Conditions.

DISTURBED AREA:

TOTAL DISTURBED AREA = ±3.28 ACRES
TOTAL RECLAIMED AREA = ±2.75 ACRES
UNRECLAIMED AREA = ±0.53 ACRES

SURVEYED BY: Q.M.	DATE SURVEYED: 12-16-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: M.W.	DATE DRAWN: 12-17-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED:		

RECEIVED: January 15, 2014

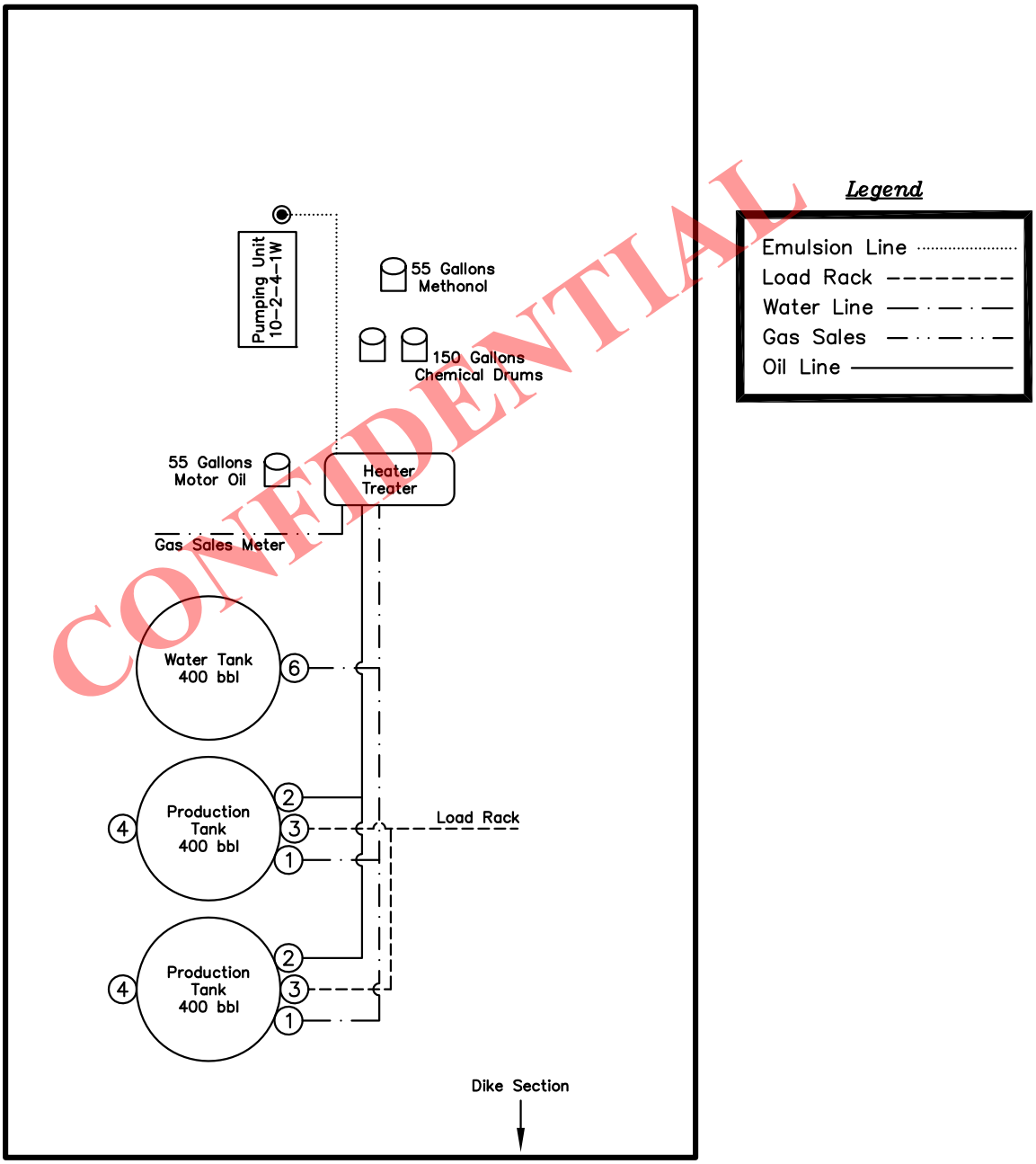
NEWFIELD EXPLORATION COMPANY

PROPOSED SITE FACILITY DIAGRAM

10-2-4-1W PAD

10-2-4-1W EDA-20G0005609

Pad Location: NWSE Section 2, T4S, R1W, U.S.B.&M.
Uintah County, Utah

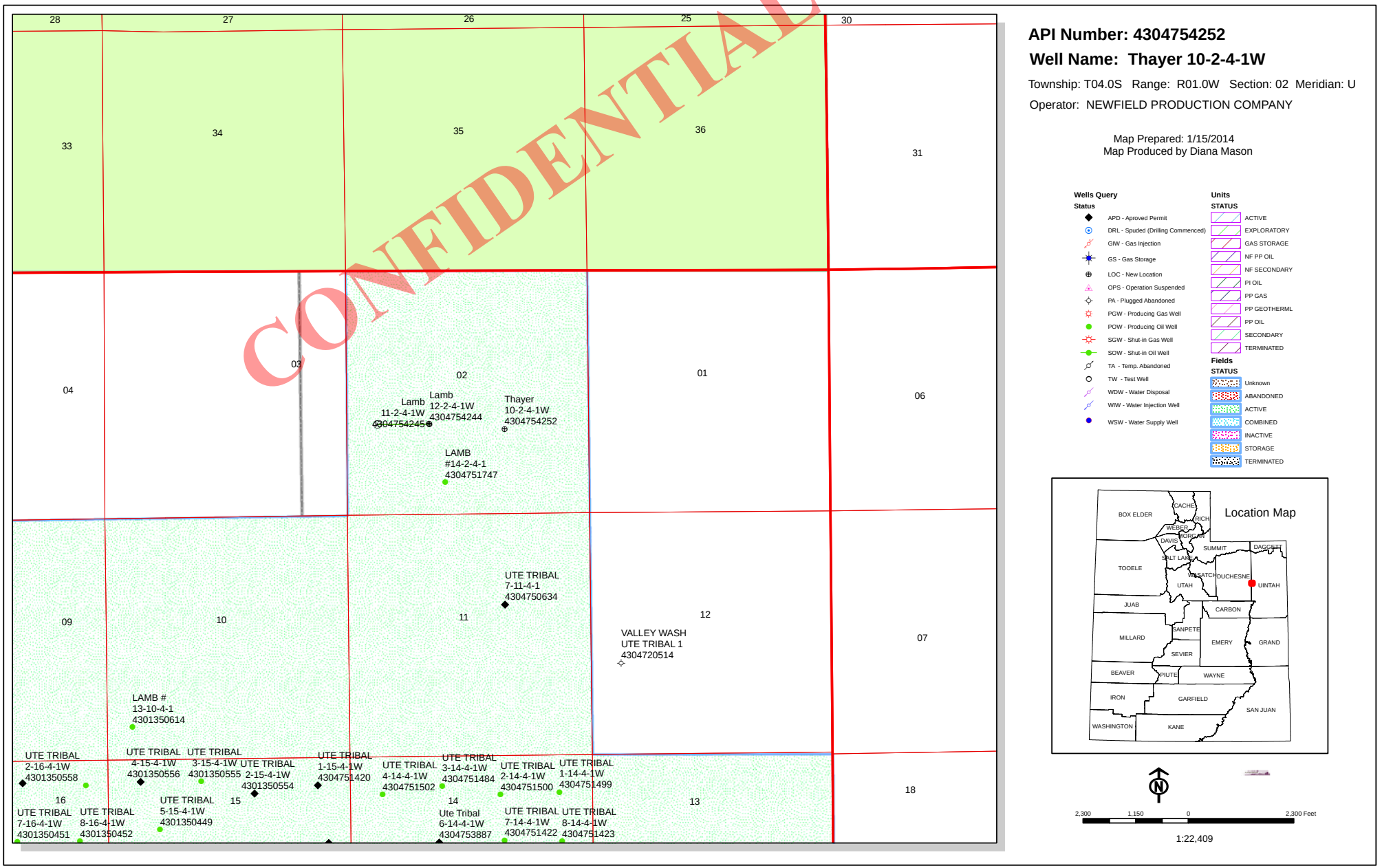


NOT TO SCALE

SURVEYED BY:	Q.M.	DATE SURVEYED:	12-16-13	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY:	M.W.	DATE DRAWN:	12-17-13	V1	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE:	NONE	REVISED:			

RECEIVED: January 15, 2014

API Well Number: 43047542520000



API Number: 4304754252

Well Name: Thayer 10-2-4-1W

Township: T04.0S Range: R01.0W Section: 02 Meridian: U

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared: 1/15/2014
Map Produced by Diana Mason

Wells Query

Status

- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well

Units

STATUS

- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields

STATUS

- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED

1:22,409

RECEIVED: January 15, 2014

API Well Number: 43047542520000

BOPE REVIEW NEWFIELD PRODUCTION COMPANY Thayer 10-2-4-1W 43047542520000

Well Name	NEWFIELD PRODUCTION COMPANY Thayer 10-2-4-1W 4304754252			
String	Surf	PROD		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	900	8325		
Previous Shoe Setting Depth (TVD)	0	900		
Max Mud Weight (ppg)	8.3	9.0		
BOPE Proposed (psi)	500	3000		
Casing Internal Yield (psi)	2950	7740		
Operators Max Anticipated Pressure (psi)	3810	8.8		

Calculations	**Surf String**	**8.625**	"
Max BHP (psi)	.052*Setting Depth*MW=	388	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	280	YES diverter bowl
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	190	YES OK
			***Can Full Expected Pressure Be Held At Previous Shoe?**
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	190	NO OK
Required Casing/BOPE Test Pressure=		900	psi
***Max Pressure Allowed @ Previous Casing Shoe=**		0	psi *Assumes 1psi/ft frac gradient

Calculations	**PROD String**	**5.500**	"
Max BHP (psi)	.052*Setting Depth*MW=	3896	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2897	YES 3M BOP, annular preventer and/or dbl rams
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2065	YES OK
			***Can Full Expected Pressure Be Held At Previous Shoe?**
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2263	NO OK
Required Casing/BOPE Test Pressure=		3000	psi
***Max Pressure Allowed @ Previous Casing Shoe=**		900	psi *Assumes 1psi/ft frac gradient

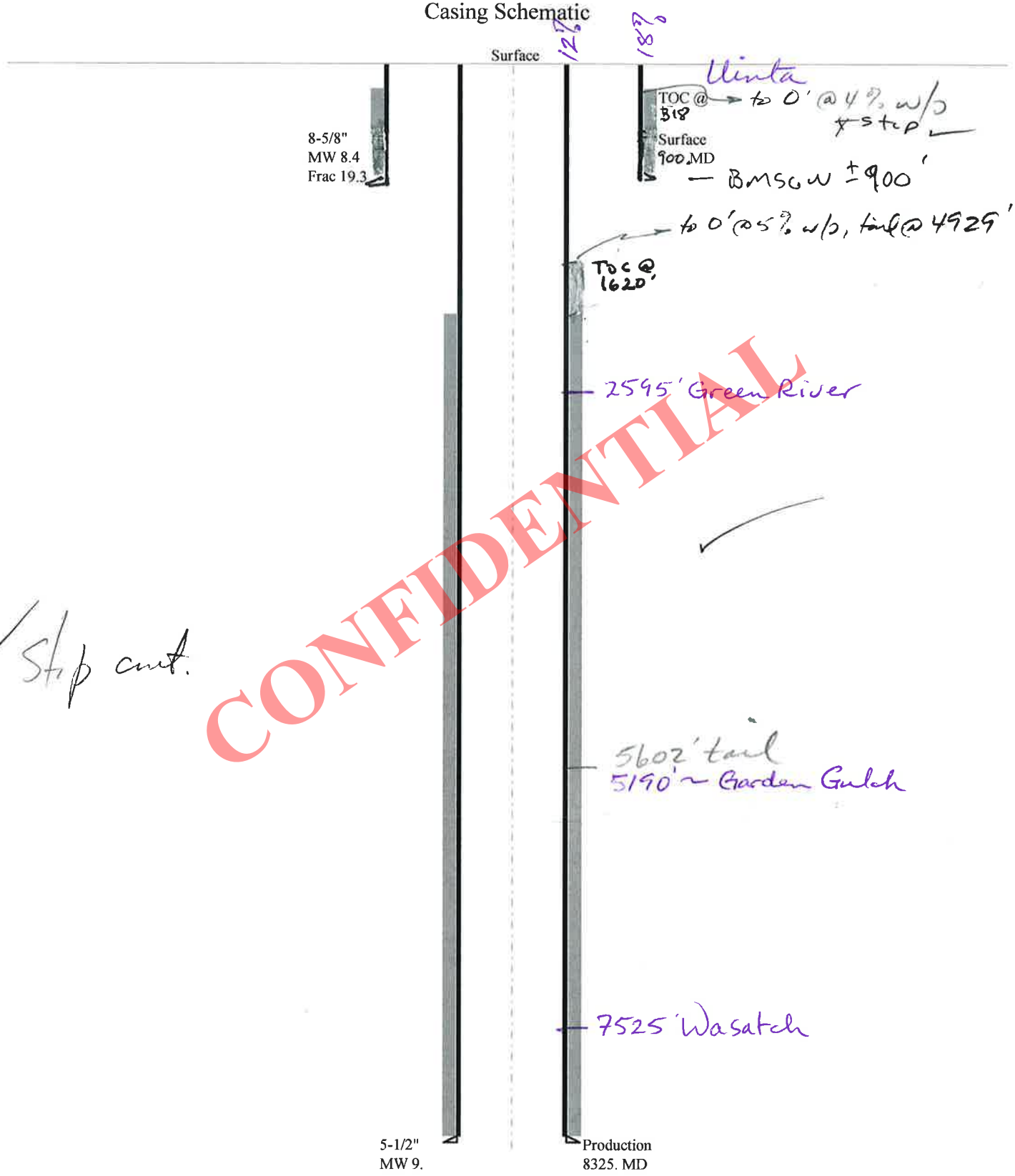
Calculations	**String**		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			***Can Full Expected Pressure Be Held At Previous Shoe?**
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
***Max Pressure Allowed @ Previous Casing Shoe=**			psi *Assumes 1psi/ft frac gradient

Calculations	**String**		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			***Can Full Expected Pressure Be Held At Previous Shoe?**
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
***Max Pressure Allowed @ Previous Casing Shoe=**			psi *Assumes 1psi/ft frac gradient

RECEIVED: March 17, 2014

43047542520000 Thayer 10-2-4-1W

Casing Schematic



API Well Number: 43047542520000

Well name:	**43047542520000 Thayer 10-2-4-1W**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Surface
Project ID:	43-047-54252
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 792 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 900 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 786 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 87 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 318 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 8,325 ft
Next mud weight: 9.000 ppg
Next setting BHP: 3,892 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 900 ft
Injection pressure: 900 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	900	8.625	24.00	J-55	ST&C	900	900	7.972	4633

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	393	1370	3.489	900	2950	3.28	18.9	244	12.93 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: March 7,2014
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 900 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

API Well Number: 43047542520000

Well name:	**43047542520000 Thayer 10-2-4-1W**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Production
Project ID:	43-047-54252
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 9.000 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 2,061 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 3,892 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 7,189 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 191 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: Surface

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	8325	5.5	17.00	N-80	LT&C	8325	8325	4.767	46923

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	3892	6290	1.616	3892	7740	1.99	141.5	348	2.46 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: March 17,2014
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 8325 ft, a mud weight of 9 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION
Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name Thayer 10-2-4-1W
API Number 43047542520000 **APD No** 9264 **Field/Unit** WINDY RIDGE
Location: 1/4,1/4 NWSE **Sec** 2 **Tw** 4.0S **Rng** 1.0W 1865 FSL 1847 FEL
GPS Coord (UTM) 588500 4446247 **Surface Owner** Farrell and Jolene Farnsworth

Participants

Corie Miller - NFX

Regional/Local Setting & Topography

The location is the Pleasant Valley/ Sand Pass area 8 miles East southeast of Myton. The sand pass facility and numerous ponds are nearby. It is placed just outside of the surface owners cattle pasture under sprinkler just across the Uintah county line. The topography is rather flat with the occassional small butte. This location will be cut out of such feature. Most of the region is wild desert lands but, the local area has a much higher than normal density of wetlands and ponds.

Surface Use Plan

Current Surface Use
Grazing

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.2	**Width** 260 **Length** 350	Onsite	UNTA

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

High desert shrubland ecosystem. Expected vegetation consists of black sagebrush, shadscale, Atriplex spp., mustard spp, rabbit brush, horsebrush, broom snakeweed, Opuntia spp and spring annuals.
Dominant vegetation;
cultivars for cattle grazing
Wildlife;
Adjacent habitat contains forbs that may be suitable browse for deer, antelope, prairie dogs or rabbits, though none were observed.

Soil Type and Characteristics

light colored clay soil with abundant sands

Erosion Issues Y

roadway into pad and neighboring pads are washed out in many places.

RECEIVED: March 19, 2014

API Well Number: 43047542520000

Sedimentation Issues Y

Site Stability Issues Y

deep windblown sands. Fill will need to be imported fro stability

Drainage Diverson Required? N

Berm Required? Y

Erosion Sedimentation Control Required? N

Paleo Survey Run? N **Paleo Potental Observed?** N **Cultural Survey Run?** N **Cultural Resources?** N

Reserve Pit

Site-Specific Factors		Site Ranking	
Distance to Groundwater (feet)	100 to 200	5	
Distance to Surface Water (feet)	300 to 1000	2	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)		20	
Native Soil Type	Mod permeability	10	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)		0	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	42	1 Sensitivity Level

Characteristics / Requirements

A 40’ x 80' x 8' deep reserve pit is planned in an area of cut on the northwest side of the location. A pit liner is required. Operator commonly uses a 16 mil liner with a felt underliner. Pit should be fenced to prevent entry by deer, other wildlife and domestic animals. A minimum freeboard of two feet shall be maintained at all times. Pit to be closed within one year after drilling activities are complete.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

They have agreements the landowner wants to ensure are enforced:
Dust control (he is required by the county to maintain certtain standards. NFX should be held to the same standards)
disturbance, equipment and vehicles to stay out of areas encompassed by center pivot
all lines (gas, produced water etc) are to be buried
The access road built for this pad and the pads we permitted last month are poorly constructed and are impassable. Many culverts are needed. Its already a big mess.
The pad is placed on deep blow sand. It will need imported gravels for stability

Chris Jensen 2/13/2014

RECEIVED: March 19, 2014

Evaluator **Date / Time**

RECEIVED: March 19, 2014

Application for Permit to Drill
Statement of Basis
Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
9264	43047542520000	LOCKED	OW	P	No
Operator	NEWFIELD PRODUCTION COMPANY		**Surface Owner-APD**	Farrell and Jolene Farnsworth	
Well Name	Thayer 10-2-4-1W		**Unit**		
Field	WINDY RIDGE		**Type of Work**	DRILL	
Location	NWSE 2 4S 1W U 1865 FSL 1847 FEL GPS Coord (UTM) 588505E 4446238N				

Geologic Statement of Basis

Newfield proposes to set 500' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 900'. A search of Division of Water Rights records shows 1 water well within a 10,000 foot radius of the center of Section 2. The well is privately owned and located over a mile from the proposed well. Depth is listed as 27 feet. Water use is listed as irrigation and domestic use. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Surface casing should be extended to isolate the base of the moderately saline ground water.

Brad Hill — **APD Evaluator**

3/6/2014 — **Date / Time**

Surface Statement of Basis

Location is proposed in a good location although outside the spacing window. Access road enters the pad from the West and is currently poorly constructed and impassable. Culverts and other conveyances for overland flows need to be planned and constructed. The landowner and its representative was not in attendance for the pre-site inspection but, was given the chance to express concerns over the phone.
The soil type (deep blow sand) and topography at present do combine to pose a significant threat to erosion or sediment/ pollution transport in these regional climate conditions. Usual construction standards of the Operator do not appear to be adequate for the proposed purpose as submitted.
I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. A riparian area and numerous ponds/ wetlands can be found to the West. The location was not previously surveyed for cultural and paleontological resources (as the operator saw fit). I have advised the operator take all measures necessary to comply with ESA and MBTA and that actions insure no disturbance to species that may have not been seen during onsite visit.
The location should be bermed to prevent fluids from entering or leaving the confines of the pad. Fencing around the reserve pit will be necessary to prevent wildlife and livestock from entering. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit. Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues. An appropriate type and amount of fill will need to be imported for pad construction

RECEIVED: March 19, 2014

Chris Jensen	2/13/2014
Onsite Evaluator	**Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
	Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues.
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from entering or leaving the pad. Imported fill must be used to provide stable base for drilling and as a cap for the entire pad
Surface	The reserve pit shall be fenced upon completion of drilling operations.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location and under access roads with culverts.

RECEIVED: March 19, 2014

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 1/15/2014 **API NO. ASSIGNED:** 43047542520000
WELL NAME: Thayer 10-2-4-1W
OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695) **PHONE NUMBER:** 435 646-4825
CONTACT: Mandie Crozier

PROPOSED LOCATION: NWSE 02 040S 010W **Permit Tech Review:** ☑
SURFACE: 1865 FSL 1847 FEL **Engineering Review:** ☑
BOTTOM: 1865 FSL 1847 FEL **Geology Review:** ☑
COUNTY: UINTAH
LATITUDE: 40.16185 **LONGITUDE:** -109.96071
UTM SURF EASTINGS: 588505.00 **NORTHINGS:** 4446238.00
FIELD NAME: WINDY RIDGE
LEASE TYPE: 4 - Fee
LEASE NUMBER: FEE **PROPOSED PRODUCING FORMATION(S):** WASATCH
SURFACE OWNER: 4 - Fee **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** STATE - B001834
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** 437478
- ☐ **RDCC Review:**
- ☑ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit:

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: R649-3-2
Effective Date:
Siting:

- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:
5 - Statement of Basis - bhill
12 - Cement Volume (3) - ddoucet
23 - Spacing - dmason
25 - Surface Casing - hmacdonald

RECEIVED: March 19, 2014

GARY R. HERBERT
Governor
SPENCER J. COX
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: Thayer 10-2-4-1W
API Well Number: 43047542520000
Lease Number: FEE
Surface Owner: FEE (PRIVATE)
Approval Date: 3/19/2014

Issued to:
NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:
Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the “Board”). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volume for the 5 1/2 production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to surface as indicated in the submitted drilling plan. Tail cement should be brought up above any productive hydrocarbon or flowing water zone.

Surface casing shall be cemented to the surface.

Additional Approvals:
The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
  at http://oilgas.ogm.utah.gov
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
  - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

Contact Information:
The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
  801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
  801-231-8956 - after office hours

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation

• Report of Water Encountered (Form 7) - due within 30 days after completion
• Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Thayer 10-2-4-1W

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43047542520000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: WINDY RIDGE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1865 FSL 1847 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 02 Township: 04.0S Range: 01.0W Meridian: U

COUNTY: UINTAH

STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☑ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
April 17, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Cherei Neilson	435 646-4883	Drilling Techinacian
SIGNATURE N/A		**DATE** 4/16/2014

RECEIVED: Apr. 17, 2014

NEWFIELD

Casing

Conductor

Legal Well Name	Wellbore Name
Thayer 10-2-4-1W	Original Hole

API/UWI	Surface Legal Location	Field Name	Well Type	Well Configuration Type
43047542520000	NWSE 1865 FSL 1847 FEL Sec 2 T4S R1W	MYTON AREA	Development	Vertical

Well RC	County	State/Province	Spud Date	Final Rig Release Date
500376797	Uintah	Utah		

Wellbore

Wellbore Name	Kick Off Depth (ftKB)
Original Hole	

Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	14	13	31	4/8/2014	4/8/2014

Wellhead

Type	Install Date	Service	Comment

Wellhead Components

Des	Make	Model	SN	WP Top (psi)

Casing

Casing Description	Set Depth (ftKB)	Run Date	Set Tension (kips)
Conductor	31	4/8/2014	

Centralizers	Scratchers

Casing Components

Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft•lb)	Class	Max OD (in)
Conductor	14	13.500	35.75	H-40		1	18.00	13.0	31.0			

Jewelry Details

External Casing Packer

Type	Setting Requirement	Release Requirements	Inflation Method	Vol Inflation (gal)	Equiv Hole Sz (in)

Inflation Fluid Type	Infl Fl Dens (lb/gal)	P AV Set (psi)	AV Acting Pressure (psi)	P ICV Set (psi)	P ICV Act (psi)	ECP Load (1000lbf)	Seal Load (1000lbf)

Slotted Liner

% Open Area (%)	Perforation Min Dimension (in)	Perforation Max Dimension (in)	Axial Perf Spacing (ft)	Perf Rows	Blank Top Length (ft)	Blank Bottom Length (ft)

Slot Description	Slot Pattern	Slot Length (in)	Slot Width (in)	Slot Frequency	Screen Gauge (ga)

Liner Hanger

Retrievable?	Elastomer Type	Element Center Depth (ft)	Polish Bore Size (in)	Polish Bore Length (ft)

Slip Description	Set Mechanics

Setting Procedure

Unsetting Procedure

RECEIVED: Apr. 16, 2014

NEWFIELD

Casing

Surface

Legal Well Name	Wellbore Name
Thayer 10-2-4-1W	Original Hole

API/UWI	Surface Legal Location	Field Name	Well Type	Well Configuration Type
43047542520000	NWSE 1865 FSL 1847 FEL Sec 2 T4S R1W	MYTON AREA	Development	Vertical

Well RC	County	State/Province	Spud Date	Final Rig Release Date
500376797	Uintah	Utah		

Wellbore

Wellbore Name	Kick Off Depth (ftKB)
Original Hole	

Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	14	13	31	4/8/2014	4/8/2014
Vertical	12 1/4	31	493	4/8/2014	4/8/2014
Vertical	12 1/4	493	943	4/9/2014	4/9/2014

Wellhead

Type	Install Date	Service	Comment

Wellhead Components

Des	Make	Model	SN	WP Top (psi)

Casing

Casing Description	Set Depth (ftKB)	Run Date	Set Tension (kips)
Surface	935	4/9/2014	

Centralizers	Scratchers
3	

Casing Components

Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft•lb)	Class	Max OD (in)
Wellhead	8 5/8	8.097	24.00	J-55	ST&C	1	2.00	13.0	15.0			
Cut Off	8 5/8	8.097	24.00	J-55	ST&C	0	0.00	15.0	15.0			
Cut off	8 5/8	8.097	24.00	J-55	ST&C	1	41.50	15.0	56.5			
Casing Joints	8 5/8	8.097	24.00	J-55	ST&C	19	832.25	56.5	888.7			
Float Collar	8 5/8	8.097	24.00	J-55	ST&C	1	0.92	888.7	889.6			
Shoe Joint	8 5/8	8.097	24.00	J-55	ST&C	1	43.95	889.6	933.6			
Guide Shoe	8 5/8	8.097	24.00	J-55	ST&C	1	1.42	933.6	935.0			

Jewelry Details

External Casing Packer

Type	Setting Requirement	Release Requirements	Inflation Method	Vol Inflation (gal)	Equiv Hole Sz (in)

Inflation Fluid Type	Infl Fl Dens (lb/gal)	P AV Set (psi)	AV Acting Pressure (psi)	P ICV Set (psi)	P ICV Act (psi)	ECP Load (1000lbf)	Seal Load (1000lbf)

Slotted Liner

% Open Area (%)	Perforation Min Dimension (in)	Perforation Max Dimension (in)	Axial Perf Spacing (ft)	Perf Rows	Blank Top Length (ft)	Blank Bottom Length (ft)

Slot Description	Slot Pattern	Slot Length (in)	Slot Width (in)	Slot Frequency	Screen Gauge (ga)

Liner Hanger

Retrievable?	Elastomer Type	Element Center Depth (ft)	Polish Bore Size (in)	Polish Bore Length (ft)

Slip Description	Set Mechanics

Setting Procedure

Unsetting Procedure

RECEIVED: Apr. 16, 2014

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Pro Petro 8
Submitted By Branden Arnold Phone Number 4354010223
Well Name/Number Thayer 10-2-4-1W
Qtr/Qtr NWSE Section 2 Township 4S Range 1W
Lease Serial Number FEE
API Number 43-04754252

CONFIDENTIAL

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 4/8/2014 8:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 3:00 4/8/2014 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Thayer 10-2-4-1W

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43047542520000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: WINDY RIDGE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1865 FSL 1847 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 02 Township: 04.0S Range: 01.0W Meridian: U

COUNTY: UINTAH

STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☑ SPUD REPORT Date of Spud: 4/8/2014	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 4/8/14 Drill & set 18' of 14" conductor. Drill f/18' to 480' KB of 12 1/14 hole. On 4/9/14 drill f/480' to 943'KB. P/U and run 21 joints of 24# J-55 8 5/8" casing set depth 935'KB. On 4/10/14 Cement w/Halliburton w/465 sx of 15.8# 1.19 yield class G Neat cement. Returned 19 bbls back to pit & bumped plug to 810 psi.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
May 01, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Cherei Neilson	435 646-4883	Drilling Techinacian
SIGNATURE N/A		**DATE** 5/1/2014

NEWFIELD

Casing

Conductor

Legal Well Name	Wellbore Name
Thayer 10-2-4-1W	Original Hole

API/UWI	Surface Legal Location	Field Name	Well Type	Well Configuration Type
43047542520000	NWSE 1865 FSL 1847 FEL Sec 2 T4S R1W	MYTON AREA	Development	Vertical

Well RC	County	State/Province	Spud Date	Final Rig Release Date
500376797	Uintah	Utah		

Wellbore

Wellbore Name	Kick Off Depth (ftKB)
Original Hole	

Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
Conductor	14	13	31	4/8/2014	4/8/2014

Wellhead

Type	Install Date	Service	Comment

Wellhead Components

Des	Make	Model	SN	WP Top (psi)

Casing

Casing Description	Set Depth (ftKB)	Run Date	Set Tension (kips)
Conductor	31	4/8/2014	

Centralizers	Scratchers

Casing Components

Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft•lb)	Class	Max OD (in)
Conductor	14	13.500	35.75	H-40		1	18.00	13.0	31.0			

Jewelry Details

External Casing Packer

Type	Setting Requirement	Release Requirements	Inflation Method	Vol Inflation (gal)	Equiv Hole Sz (in)

Inflation Fluid Type	Infl Fl Dens (lb/gal)	P AV Set (psi)	AV Acting Pressure (psi)	P ICV Set (psi)	P ICV Act (psi)	ECP Load (1000lbf)	Seal Load (1000lbf)

Slotted Liner

% Open Area (%)	Perforation Min Dimension (in)	Perforation Max Dimension (in)	Axial Perf Spacing (ft)	Perf Rows	Blank Top Length (ft)	Blank Bottom Length (ft)

Slot Description	Slot Pattern	Slot Length (in)	Slot Width (in)	Slot Frequency	Screen Gauge (ga)

Liner Hanger

Retrievable?	Elastomer Type	Element Center Depth (ft)	Polish Bore Size (in)	Polish Bore Length (ft)

Slip Description	Set Mechanics

Setting Procedure

Unsetting Procedure

RECEIVED: May. 01, 2014

NEWFIELD

Casing

Surface

Legal Well Name	Wellbore Name
Thayer 10-2-4-1W	Original Hole

API/UWI	Surface Legal Location	Field Name	Well Type	Well Configuration Type
43047542520000	NWSE 1865 FSL 1847 FEL Sec 2 T4S R1W	MYTON AREA	Development	Vertical

Well RC	County	State/Province	Spud Date	Final Rig Release Date
500376797	Uintah	Utah		

Wellbore

Wellbore Name	Kick Off Depth (ftKB)
Original Hole	

Section Des	Size (in)	Actual Top Depth (MD) (ftKB)	Actual Bottom Depth (MD) (ftKB)	Start Date	End Date
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Vertical	12 1/4	31	493	4/8/2014	4/8/2014
Vertical	12 1/4	493	943	4/9/2014	4/9/2014

Wellhead

Type	Install Date	Service	Comment

Wellhead Components

Des	Make	Model	SN	WP Top (psi)

Casing

Casing Description	Set Depth (ftKB)	Run Date	Set Tension (kips)
Surface	935	4/9/2014	

Centralizers	Scratchers
3	

Casing Components

Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ftKB)	Btm (ftKB)	Mk-up Tq (ft•lb)	Class	Max OD (in)
Wellhead	8 5/8	8.097	24.00	J-55	ST&C	1	2.00	13.0	15.0			
Cut Off	8 5/8	8.097	24.00	J-55	ST&C	0	0.00	15.0	15.0			
Cut off	8 5/8	8.097	24.00	J-55	ST&C	1	41.50	15.0	56.5			
Casing Joints	8 5/8	8.097	24.00	J-55	ST&C	19	832.25	56.5	888.7			
Float Collar	8 5/8	8.097	24.00	J-55	ST&C	1	0.92	888.7	889.6			
Shoe Joint	8 5/8	8.097	24.00	J-55	ST&C	1	43.95	889.6	933.6			
Guide Shoe	8 5/8	8.097	24.00	J-55	ST&C	1	1.42	933.6	935.0			

Jewelry Details

External Casing Packer

Type	Setting Requirement	Release Requirements	Inflation Method	Vol Inflation (gal)	Equiv Hole Sz (in)

Inflation Fluid Type	Infl Fl Dens (lb/gal)	P AV Set (psi)	AV Acting Pressure (psi)	P ICV Set (psi)	P ICV Act (psi)	ECP Load (1000lbf)	Seal Load (1000lbf)

Slotted Liner

% Open Area (%)	Perforation Min Dimension (in)	Perforation Max Dimension (in)	Axial Perf Spacing (ft)	Perf Rows	Blank Top Length (ft)	Blank Bottom Length (ft)

Slot Description	Slot Pattern	Slot Length (in)	Slot Width (in)	Slot Frequency	Screen Gauge (ga)

Liner Hanger

Retrievable?	Elastomer Type	Element Center Depth (ft)	Polish Bore Size (in)	Polish Bore Length (ft)

Slip Description	Set Mechanics

Setting Procedure

Unsetting Procedure

RECEIVED: May. 01, 2014

Form 3160-4
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: FEE

1a. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other:

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.:

2. Name of Operator: NEWFIELD PRODUCTION COMPANY

8. Lease Name and Well No.: THAYER 10-2-4-1W

3. Address: ROUTE #3 BOX 3630, MYTON, UT 84052

3a. Phone No. *(include area code)*: Ph:435-646-3721

9. API Well No.: 43-047-54252

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: 1865' FSL 1847' FEL (NW/SE) SEC 2 T4S R1W

10. Field and Pool or Exploratory:

11. Sec., T., R., M., on Block and Survey or Area: SEC 2 T4S R1W

At top prod. interval reported below

At total depth: 1837' FSL 2026' FEL (NW/SE) SEC 2 T4S R1W

12. County or Parish: UINTAH

13. State: UT

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
04/08/2014	04/29/2014	☐ D & A ☑ Ready to Prod. 05/15/2014	5037' GL 5050' KB

18. Total Depth:	19. Plug Back T.D.:	20. Depth Bridge Plug Set:
MD 8330' TVD 8320'	MD 8274' TVD	MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24	0'	935'		465 CLASS G			
7-7/8"	5-1/2" SB-80	17	0'	8321'		620 ELASTICEM		0'	
						450 BONDCEM			
						100 PREMCEM			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@5514'	TA@5444'						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	5570'	7585'	5570' - 7585' MD	0.34	76	
B) Wasatch	7701'	8018'	7701' - 8018' MD	0.34	60	
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
5570' - 8018' MD	Frac w/ 36560#s of 100 mesh, 504,480#s of 20/40 white sand, and 25,600#s of RC, in 9,807 bbls of Lightning 17 fluid, in 6 stages

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
5/13/14	5/23/14	24	→	123	55	105			2.5 X 1.75 X 24' RHAC

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GARDEN GULCH MARK	5262'
				GARDEN GULCH 2	5580'
				X MRKR	6033'
				LODC	6879'
				CASTLE PEAK	7145'
				BASAL CARBONATE	7474'
				WASATCH	7600'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☑ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☑ Other: Drilling daily activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Heather Calder Title Regulatory Technician

Signature Heather Calder Date 06/03/2014

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

NEWFIELD

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 2 T4S, R1W
10-2-4-1W
Wellbore #1

Design: Actual

End of Well Report

29 April, 2014

PAYZONE DIRECTIONAL

NEWFIELD

Payzone Directional

End of Well Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well 10-2-4-1W
Project:	USGS Myton SW (UT)	**TVD Reference:**	10-2-4-1W @ 5050.0usft (CAPSTAR 329)
Site:	SECTION 2 T4S, R1W	**MD Reference:**	10-2-4-1W @ 5050.0usft (CAPSTAR 329)
Well:	10-2-4-1W	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Project USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site SECTION 2 T4S, R1W

Site Position:		**Northing:**	7,232,211.31 usft	**Latitude:**	40° 9' 50.991 N
From:	Map	**Easting:**	2,069,879.27 usft	**Longitude:**	109° 57' 47.540 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.98 °

Well 10-2-4-1W, SHL: 40° 9' 42.930 -109° 57' 38.750

Well Position	**+N/-S**	0.0 usft	**Northing:**	7,231,407.49 usft	**Latitude:**	40° 9' 42.930 N
	+E/-W	0.0 usft	**Easting:**	2,070,575.58 usft	**Longitude:**	109° 57' 38.750 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	5,050.0 usft	**Ground Level:**	5,037.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/11/2014	10.93	65.84	52,073

Design Actual

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	261.01

Survey Program **Date** 4/29/2014

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
946.0	8,330.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard

NEWFIELD

Payzone Directional

End of Well Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well 10-2-4-1W
Project:	USGS Myton SW (UT)	**TVD Reference:**	10-2-4-1W @ 5050.0usft (CAPSTAR 329)
Site:	SECTION 2 T4S, R1W	**MD Reference:**	10-2-4-1W @ 5050.0usft (CAPSTAR 329)
Well:	10-2-4-1W	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
946.0	0.30	180.40	946.0	0.4	-2.5	0.0	0.03	0.03	0.00
989.0	0.20	136.20	989.0	0.4	-2.6	0.0	0.49	-0.23	-102.79
1,032.0	0.30	215.90	1,032.0	0.4	-2.8	0.0	0.77	0.23	185.35
1,076.0	0.00	198.00	1,076.0	0.5	-2.9	0.0	0.68	-0.68	0.00
1,120.0	0.50	318.80	1,120.0	0.6	-2.7	-0.2	1.14	1.14	0.00
1,163.0	1.10	312.40	1,163.0	1.0	-2.3	-0.6	1.41	1.40	-14.88
1,207.0	1.80	314.50	1,207.0	1.6	-1.5	-1.4	1.60	1.59	4.77
1,251.0	2.30	309.80	1,250.9	2.6	-0.5	-2.6	1.20	1.14	-10.68
1,294.0	2.70	311.30	1,293.9	3.8	0.7	-4.0	0.94	0.93	3.49
1,338.0	3.30	312.50	1,337.8	5.3	2.3	-5.7	1.37	1.36	2.73
1,381.0	3.30	312.10	1,380.8	6.8	3.9	-7.5	0.05	0.00	-0.93
1,424.0	3.50	310.80	1,423.7	8.5	5.6	-9.5	0.50	0.47	-3.02
1,467.0	3.50	314.10	1,466.6	10.1	7.4	-11.4	0.47	0.00	7.67
1,511.0	3.40	311.70	1,510.5	11.7	9.2	-13.3	0.40	-0.23	-5.45
1,554.0	3.40	311.50	1,553.5	13.4	10.9	-15.2	0.03	0.00	-0.47
1,598.0	3.50	313.80	1,597.4	15.0	12.7	-17.2	0.39	0.23	5.23
1,642.0	3.60	313.80	1,641.3	16.6	14.6	-19.2	0.23	0.23	0.00
1,686.0	3.70	315.00	1,685.2	18.3	16.5	-21.2	0.29	0.23	2.73
1,730.0	3.60	312.70	1,729.1	20.0	18.5	-23.2	0.40	-0.23	-5.23
1,773.0	3.70	315.20	1,772.0	21.7	20.4	-25.1	0.44	0.23	5.81
1,817.0	3.60	313.60	1,815.9	23.3	22.3	-27.1	0.32	-0.23	-3.64
1,861.0	3.60	315.10	1,859.9	25.0	24.3	-29.1	0.21	0.00	3.41
1,905.0	3.70	312.60	1,903.8	26.7	26.2	-31.1	0.43	0.23	-5.68
1,948.0	3.60	313.30	1,946.7	28.3	28.1	-33.1	0.25	-0.23	1.63
1,991.0	3.70	316.90	1,989.6	30.0	30.0	-35.1	0.58	0.23	8.37
2,035.0	3.40	315.90	2,033.5	31.5	32.0	-37.0	0.70	-0.68	-2.27

NEWFIELD

Payzone Directional

End of Well Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well 10-2-4-1W
Project:	USGS Myton SW (UT)	**TVD Reference:**	10-2-4-1W @ 5050.0usft (CAPSTAR 329)
Site:	SECTION 2 T4S, R1W	**MD Reference:**	10-2-4-1W @ 5050.0usft (CAPSTAR 329)
Well:	10-2-4-1W	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
2,079.0	3.40	316.70	2,077.4	33.0	33.9	-38.8	0.11	0.00	1.82
2,123.0	3.60	316.50	2,121.3	34.5	35.8	-40.6	0.46	0.45	-0.45
2,165.0	3.70	321.10	2,163.3	35.9	37.8	-42.4	0.74	0.24	10.95
2,208.0	3.70	321.80	2,206.2	37.3	40.0	-44.1	0.11	0.00	1.63
2,251.0	3.90	319.10	2,249.1	38.7	42.2	-45.9	0.62	0.47	-6.28
2,294.0	3.70	318.30	2,292.0	40.3	44.3	-47.8	0.48	-0.47	-1.86
2,338.0	3.50	315.30	2,335.9	41.8	46.3	-49.7	0.62	-0.45	-6.82
2,381.0	3.70	316.00	2,378.8	43.4	48.3	-51.6	0.48	0.47	1.63
2,425.0	3.70	316.20	2,422.7	45.0	50.3	-53.5	0.03	0.00	0.45
2,469.0	3.50	317.20	2,466.6	46.6	52.3	-55.4	0.48	-0.45	2.27
2,512.0	3.60	318.10	2,509.6	48.0	54.3	-57.2	0.27	0.23	2.09
2,556.0	3.60	317.10	2,553.5	49.5	56.3	-59.1	0.14	0.00	-2.27
2,600.0	3.60	317.60	2,597.4	51.1	58.4	-61.0	0.07	0.00	1.14
2,644.0	3.50	314.50	2,641.3	52.6	60.3	-62.8	0.49	-0.23	-7.05
2,688.0	3.50	312.00	2,685.2	54.3	62.2	-64.8	0.35	0.00	-5.68
2,732.0	3.30	310.70	2,729.1	55.9	63.9	-66.8	0.49	-0.45	-2.95
2,774.0	3.40	310.20	2,771.1	57.5	65.5	-68.6	0.25	0.24	-1.19
2,818.0	3.20	312.80	2,815.0	59.2	67.2	-70.5	0.57	-0.45	5.91
2,862.0	2.70	311.30	2,858.9	60.6	68.7	-72.2	1.15	-1.14	-3.41
2,906.0	2.80	306.80	2,902.9	62.0	70.0	-73.8	0.54	0.23	-10.23
2,949.0	2.40	303.00	2,945.8	63.4	71.1	-75.4	1.01	-0.93	-8.84
2,993.0	2.20	293.50	2,989.8	64.8	72.0	-77.0	0.98	-0.45	-21.59
3,037.0	2.00	275.30	3,033.8	66.2	72.4	-78.5	1.57	-0.45	-41.36
3,080.0	2.10	270.10	3,076.7	67.7	72.4	-80.1	0.49	0.23	-12.09
3,124.0	2.30	274.00	3,120.7	69.4	72.5	-81.7	0.57	0.45	8.86
3,168.0	2.70	291.70	3,164.7	71.2	73.0	-83.6	1.97	0.91	40.23
3,211.0	3.70	296.80	3,207.6	73.2	74.0	-85.8	2.42	2.33	11.86

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well 10-2-4-1W
Project:	USGS Myton SW (UT)	**TVD Reference:**	10-2-4-1W @ 5050.0usft (CAPSTAR 329)
Site:	SECTION 2 T4S, R1W	**MD Reference:**	10-2-4-1W @ 5050.0usft (CAPSTAR 329)
Well:	10-2-4-1W	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
3,255.0	4.00	301.80	3,251.5	75.5	75.4	-88.3	1.02	0.68	11.36
3,298.0	3.90	295.80	3,294.4	77.8	76.8	-90.9	0.99	-0.23	-13.95
3,342.0	3.30	290.60	3,338.3	80.1	77.9	-93.5	1.55	-1.36	-11.82
3,386.0	3.30	295.70	3,382.2	82.3	78.9	-95.8	0.67	0.00	11.59
3,428.0	3.50	304.10	3,424.2	84.2	80.2	-97.9	1.28	0.48	20.00
3,472.0	3.50	310.50	3,468.1	86.1	81.8	-100.1	0.89	0.00	14.55
3,515.0	3.90	315.00	3,511.0	87.8	83.7	-102.1	1.15	0.93	10.47
3,559.0	3.70	313.80	3,554.9	89.5	85.7	-104.2	0.49	-0.45	-2.73
3,602.0	3.60	311.90	3,597.8	91.2	87.6	-106.2	0.36	-0.23	-4.42
3,646.0	3.60	304.40	3,641.7	93.1	89.3	-108.4	1.07	0.00	-17.05
3,690.0	3.30	311.80	3,685.6	94.9	90.9	-110.4	1.22	-0.68	16.82
3,734.0	3.20	311.30	3,729.6	96.5	92.6	-112.3	0.24	-0.23	-1.14
3,778.0	3.00	299.40	3,773.5	98.2	93.9	-114.2	1.53	-0.45	-27.05
3,820.0	2.80	291.50	3,815.5	99.9	94.9	-116.1	1.06	-0.48	-18.81
3,863.0	2.70	282.90	3,858.4	101.7	95.5	-118.1	0.99	-0.23	-20.00
3,907.0	2.40	279.00	3,902.4	103.6	95.8	-120.0	0.79	-0.68	-8.86
3,951.0	3.20	279.10	3,946.3	105.6	96.2	-122.2	1.82	1.82	0.23
4,125.0	7.50	280.80	4,119.5	120.9	99.1	-138.1	2.47	2.47	0.98
4,169.0	7.20	277.20	4,163.2	126.3	100.0	-143.7	1.25	-0.68	-8.18
4,212.0	6.90	271.50	4,205.8	131.4	100.4	-148.9	1.77	-0.70	-13.26
4,256.0	6.10	262.30	4,249.5	136.3	100.1	-153.9	2.98	-1.82	-20.91
4,299.0	5.90	257.40	4,292.3	140.8	99.3	-158.3	1.28	-0.47	-11.40
4,341.0	6.10	254.20	4,334.1	145.2	98.3	-162.6	0.93	0.48	-7.62
4,384.0	5.50	249.10	4,376.9	149.5	96.9	-166.7	1.84	-1.40	-11.86
4,428.0	4.90	242.30	4,420.7	153.3	95.3	-170.3	1.95	-1.36	-15.45
4,472.0	4.40	235.90	4,464.5	156.6	93.4	-173.4	1.64	-1.14	-14.55
4,515.0	3.60	227.40	4,507.4	159.3	91.6	-175.7	2.31	-1.86	-19.77

NEWFIELD

Payzone Directional

End of Well Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well 10-2-4-1W
Project:	USGS Myton SW (UT)	**TVD Reference:**	10-2-4-1W @ 5050.0usft (CAPSTAR 329)
Site:	SECTION 2 T4S, R1W	**MD Reference:**	10-2-4-1W @ 5050.0usft (CAPSTAR 329)
Well:	10-2-4-1W	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
4,559.0	3.00	227.80	4,551.4	161.4	89.9	-177.6	1.36	-1.36	0.91
4,603.0	2.00	226.80	4,595.3	163.0	88.6	-179.0	2.27	-2.27	-2.27
4,645.0	1.80	221.20	4,637.3	164.1	87.6	-180.0	0.65	-0.48	-13.33
4,689.0	1.50	206.30	4,681.3	164.9	86.6	-180.7	1.18	-0.68	-33.86
4,733.0	1.80	192.80	4,725.3	165.5	85.4	-181.1	1.11	0.68	-30.68
4,777.0	1.60	191.90	4,769.2	166.0	84.1	-181.4	0.46	-0.45	-2.05
4,819.0	2.00	194.20	4,811.2	166.5	82.8	-181.7	0.97	0.95	5.48
4,863.0	2.00	184.20	4,855.2	167.0	81.3	-181.9	0.79	0.00	-22.73
4,907.0	2.30	185.80	4,899.2	167.4	79.7	-182.1	0.70	0.68	3.64
4,951.0	1.50	196.30	4,943.1	167.9	78.2	-182.3	1.98	-1.82	23.86
4,994.0	1.50	227.70	4,986.1	168.6	77.3	-182.9	1.89	0.00	73.02
5,038.0	1.90	216.70	5,030.1	169.6	76.3	-183.8	1.17	0.91	-25.00
5,081.0	1.90	211.10	5,073.1	170.5	75.2	-184.6	0.43	0.00	-13.02
5,124.0	2.00	210.70	5,116.1	171.5	73.9	-185.3	0.23	0.23	-0.93
5,166.0	2.00	209.70	5,158.0	172.4	72.6	-186.0	0.08	0.00	-2.38
5,210.0	2.10	199.70	5,202.0	173.3	71.2	-186.7	0.84	0.23	-22.73
5,253.0	1.90	203.90	5,245.0	174.0	69.8	-187.3	0.58	-0.47	9.77
5,297.0	2.00	191.50	5,288.9	174.7	68.4	-187.7	0.98	0.23	-28.18
5,340.0	2.20	191.50	5,331.9	175.3	66.9	-188.0	0.47	0.47	0.00
5,384.0	2.50	191.70	5,375.9	175.9	65.1	-188.4	0.68	0.68	0.45
5,427.0	2.30	200.40	5,418.8	176.6	63.4	-188.9	0.97	-0.47	20.23
5,471.0	1.50	199.30	5,462.8	177.4	62.0	-189.4	1.82	-1.82	-2.50
5,514.0	1.10	206.90	5,505.8	177.9	61.1	-189.7	1.01	-0.93	17.67
5,558.0	1.30	191.10	5,549.8	178.3	60.2	-190.0	0.87	0.45	-35.91
5,602.0	1.20	186.80	5,593.8	178.6	59.3	-190.2	0.31	-0.23	-9.77
5,644.0	1.60	193.50	5,635.8	178.9	58.3	-190.4	1.03	0.95	15.95
5,688.0	1.90	180.70	5,679.8	179.3	56.9	-190.5	1.12	0.68	-29.09

NEWFIELD

Payzone Directional

End of Well Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well 10-2-4-1W
Project:	USGS Myton SW (UT)	**TVD Reference:**	10-2-4-1W @ 5050.0usft (CAPSTAR 329)
Site:	SECTION 2 T4S, R1W	**MD Reference:**	10-2-4-1W @ 5050.0usft (CAPSTAR 329)
Well:	10-2-4-1W	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
5,732.0	2.20	177.90	5,723.7	179.5	55.4	-190.5	0.72	0.68	-6.36
5,776.0	1.90	171.60	5,767.7	179.6	53.8	-190.4	0.85	-0.68	-14.32
5,820.0	1.80	175.10	5,811.7	179.7	52.4	-190.2	0.34	-0.23	7.95
5,862.0	1.00	151.70	5,853.7	179.6	51.4	-190.0	2.30	-1.90	-55.71
5,905.0	1.20	163.90	5,896.7	179.4	50.7	-189.7	0.71	0.47	28.37
5,948.0	1.60	170.00	5,939.6	179.4	49.6	-189.4	0.99	0.93	14.19
5,992.0	2.10	178.90	5,983.6	179.5	48.2	-189.3	1.31	1.14	20.23
6,034.0	2.30	166.20	6,025.6	179.5	46.6	-189.1	1.25	0.48	-30.24
6,078.0	2.00	168.30	6,069.6	179.4	45.0	-188.7	0.70	-0.68	4.77
6,122.0	1.40	171.20	6,113.5	179.3	43.7	-188.5	1.38	-1.36	6.59
6,165.0	0.80	157.80	6,156.5	179.3	42.9	-188.3	1.51	-1.40	-31.16
6,209.0	1.00	173.70	6,200.5	179.2	42.3	-188.1	0.72	0.45	36.14
6,252.0	1.50	178.40	6,243.5	179.3	41.3	-188.1	1.19	1.16	10.93
6,296.0	2.00	170.10	6,287.5	179.4	40.0	-187.9	1.27	1.14	-18.86
6,340.0	1.70	171.30	6,331.5	179.4	38.6	-187.7	0.69	-0.68	2.73
6,383.0	1.70	177.00	6,374.5	179.4	37.3	-187.6	0.39	0.00	13.26
6,427.0	2.00	176.60	6,418.4	179.6	35.9	-187.5	0.68	0.68	-0.91
6,471.0	2.20	177.10	6,462.4	179.7	34.3	-187.4	0.46	0.45	1.14
6,515.0	2.60	167.00	6,506.4	179.8	32.5	-187.1	1.32	0.91	-22.95
6,557.0	2.60	152.20	6,548.3	179.4	30.7	-186.5	1.59	0.00	-35.24
6,601.0	2.40	159.10	6,592.3	178.9	29.0	-185.7	0.82	-0.45	15.68
6,645.0	2.60	155.60	6,636.2	178.4	27.2	-184.9	0.57	0.45	-7.95
6,689.0	2.50	159.50	6,680.2	178.0	25.4	-184.2	0.46	-0.23	8.86
6,732.0	2.70	154.40	6,723.1	177.5	23.6	-183.4	0.71	0.47	-11.86
6,775.0	4.00	165.10	6,766.1	177.0	21.2	-182.6	3.34	3.02	24.88
6,819.0	4.10	162.80	6,810.0	176.7	18.3	-181.7	0.43	0.23	-5.23
6,863.0	2.90	160.20	6,853.9	176.2	15.7	-180.9	2.75	-2.73	-5.91

NEWFIELD

Payzone Directional

End of Well Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well 10-2-4-1W
Project:	USGS Myton SW (UT)	**TVD Reference:**	10-2-4-1W @ 5050.0usft (CAPSTAR 329)
Site:	SECTION 2 T4S, R1W	**MD Reference:**	10-2-4-1W @ 5050.0usft (CAPSTAR 329)
Well:	10-2-4-1W	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
6,905.0	1.90	144.00	6,895.8	175.7	14.1	-180.1	2.85	-2.38	-38.57
6,949.0	1.70	140.30	6,939.8	175.0	13.1	-179.3	0.53	-0.45	-8.41
6,993.0	2.00	129.60	6,983.8	174.2	12.1	-178.3	1.04	0.68	-24.32
7,037.0	1.60	137.90	7,027.8	173.4	11.1	-177.3	1.08	-0.91	18.86
7,081.0	1.70	131.10	7,071.8	172.6	10.2	-176.4	0.50	0.23	-15.45
7,124.0	1.50	138.70	7,114.7	171.9	9.4	-175.5	0.68	-0.47	17.67
7,168.0	1.10	145.30	7,158.7	171.4	8.6	-174.9	0.97	-0.91	15.00
7,212.0	1.30	155.30	7,202.7	171.1	7.8	-174.5	0.66	0.45	22.73
7,256.0	1.30	146.90	7,246.7	170.8	6.9	-174.0	0.43	0.00	-19.09
7,299.0	1.10	165.30	7,289.7	170.5	6.1	-173.6	1.00	-0.47	42.79
7,343.0	1.50	173.80	7,333.7	170.5	5.2	-173.4	1.01	0.91	19.32
7,386.0	1.70	178.30	7,376.7	170.6	4.0	-173.4	0.55	0.47	10.47
7,430.0	1.70	177.50	7,420.7	170.8	2.6	-173.3	0.05	0.00	-1.82
7,474.0	1.60	178.10	7,464.6	170.9	1.4	-173.3	0.23	-0.23	1.36
7,517.0	1.60	179.80	7,507.6	171.1	0.2	-173.2	0.11	0.00	3.95
7,561.0	1.90	191.80	7,551.6	171.4	-1.1	-173.4	1.07	0.68	27.27
7,605.0	1.90	194.80	7,595.6	172.0	-2.6	-173.7	0.23	0.00	6.82
7,649.0	1.90	192.10	7,639.5	172.5	-4.0	-174.1	0.20	0.00	-6.14
7,691.0	1.90	191.50	7,681.5	173.0	-5.3	-174.3	0.05	0.00	-1.43
7,734.0	1.90	190.80	7,724.5	173.5	-6.7	-174.6	0.05	0.00	-1.63
7,777.0	2.00	191.10	7,767.5	174.0	-8.2	-174.9	0.23	0.23	0.70
7,820.0	2.40	190.20	7,810.4	174.6	-9.8	-175.2	0.93	0.93	-2.09
7,862.0	2.20	185.00	7,852.4	175.1	-11.5	-175.4	0.69	-0.48	-12.38
7,906.0	2.20	185.40	7,896.4	175.5	-13.2	-175.6	0.03	0.00	0.91
7,950.0	2.10	186.30	7,940.3	175.9	-14.8	-175.7	0.24	-0.23	2.05
7,994.0	2.30	190.40	7,984.3	176.4	-16.5	-176.0	0.58	0.45	9.32
8,037.0	2.10	186.90	8,027.3	176.9	-18.1	-176.2	0.56	-0.47	-8.14

NEWFIELD

Payzone Directional

End of Well Report

Company:	NEWFIELD EXPLORATION	**Local Co-ordinate Reference:**	Well 10-2-4-1W
Project:	USGS Myton SW (UT)	**TVD Reference:**	10-2-4-1W @ 5050.0usft (CAPSTAR 329)
Site:	SECTION 2 T4S, R1W	**MD Reference:**	10-2-4-1W @ 5050.0usft (CAPSTAR 329)
Well:	10-2-4-1W	**North Reference:**	True
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Actual	**Database:**	EDM 5000.1 Single User Db

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	V. Sec (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)
8,080.0	1.90	196.70	8,070.3	177.4	-19.6	-176.5	0.92	-0.47	22.79
8,123.0	1.90	199.00	8,113.2	178.1	-20.9	-177.0	0.18	0.00	5.35
8,167.0	2.00	189.50	8,157.2	178.7	-22.4	-177.3	0.77	0.23	-21.59
8,211.0	2.20	190.10	8,201.2	179.2	-24.0	-177.6	0.46	0.45	1.36
8,254.0	2.10	191.50	8,244.1	179.7	-25.5	-177.9	0.26	-0.23	3.26
8,270.0	2.10	192.10	8,260.1	179.9	-26.1	-178.0	0.14	0.00	3.75
8,330.0	2.10	194.30	8,320.1	180.8	-28.3	-178.5	0.13	0.00	3.67

Checked By: _____ Approved By: _____ Date: _____

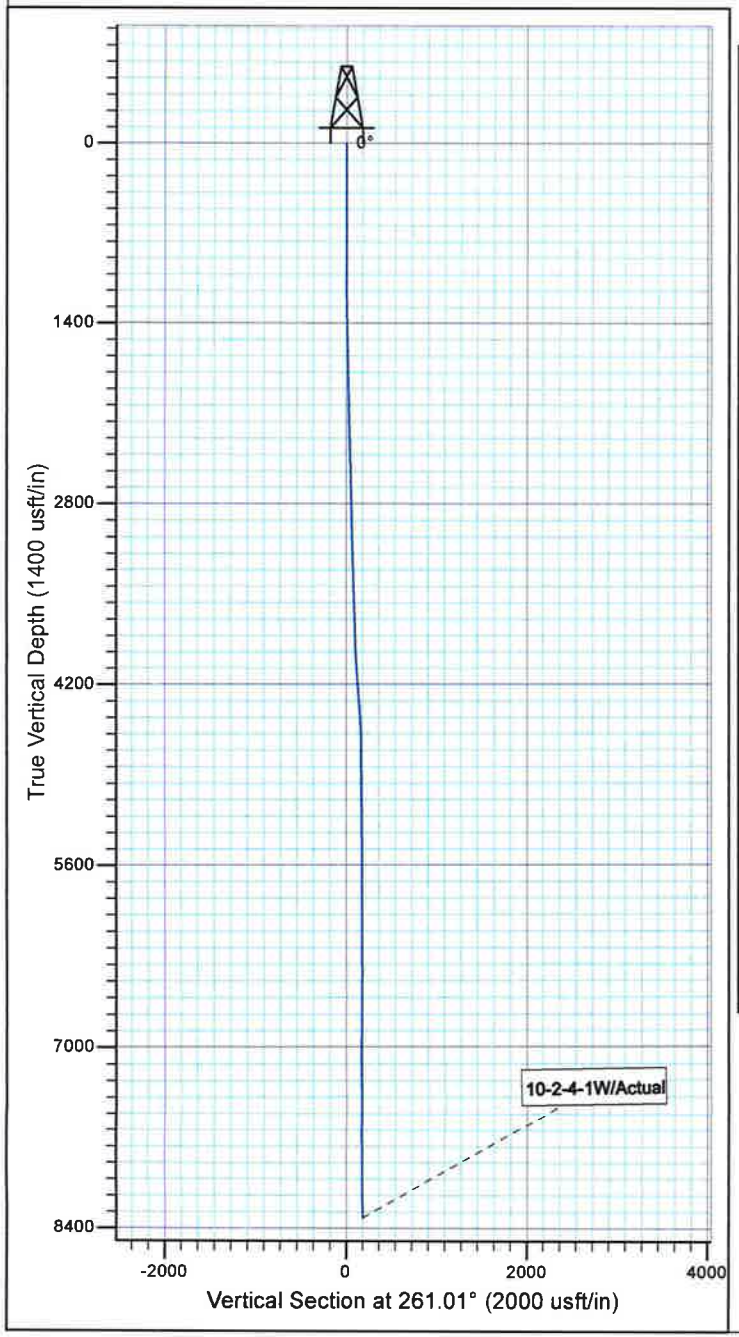
NEWFIELD

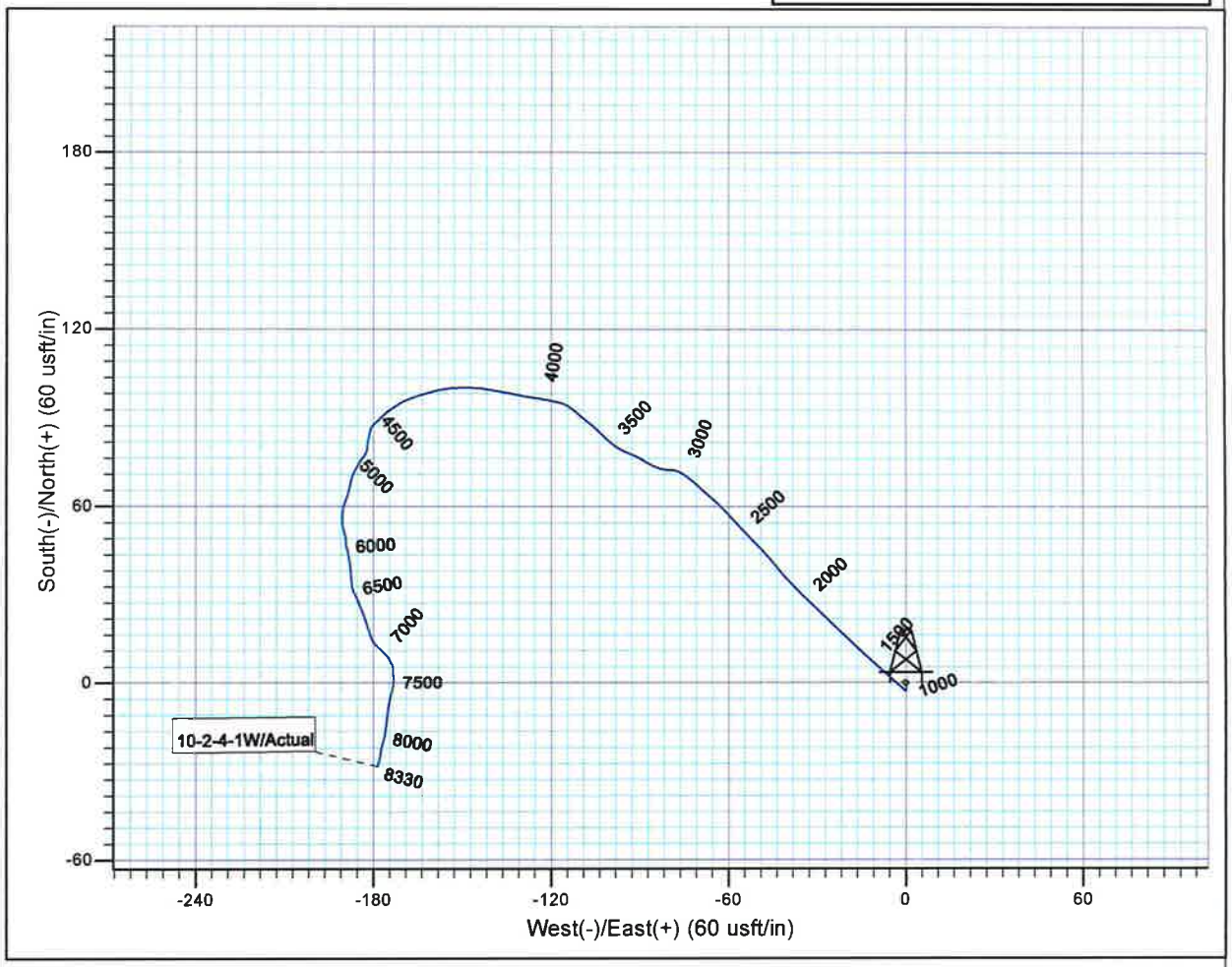
Project: USGS Myton SW (UT)
Site: SECTION 2 T4S, R1W
Well: 10-2-4-1W
Wellbore: Wellbore #1
Design: Actual

T M

Azimuths to True North
Magnetic North: 10.93°

Magnetic Field
Strength: 52072.8snT
Dip Angle: 65.84°
Date: 4/11/2014
Model: IGRF2010





PAYZONE DIRECTIONAL

Design: Actual (10-2-4-1W/Wellbore #1)	
Created By: Matthew Linton	Date: 8:24, April 29 2014

THIS SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA

Sundry Number: 51809 API Well Number: 43047542520000

NEWFIELD

Summary Rig Activity

Well Name: Thayer 10-2-4-1W

Job Category	Job Start Date	Job End Date

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
5/8/2014	5/9/2014	Install BOPs & flowback lines. Ran CBL under 0 psi. Pressure test well control equipment. Perforate 1st stage.

Start Time	End Time	Comment
06:00	08:00	NU Cameron 10K 5-1/4" wellhead isolation tool. NU Weatherford 10K frac valve & 10K blind rams.
08:00	10:00	Run CBL from 8210' to surface under 0 psi. TOC @ surface.
10:00	12:00	Pressure test csg to 6900 psi for 30 min. Pressure test well control stack & flowback lines to 10000 psi for 10 min. Low tests of 250-300 psi for 5 min.
12:00	13:00	Perforate stage 1.
13:00	00:00	SDFN

Report Start Date	Report End Date	24hr Activity Summary
5/9/2014	5/10/2014	Frac 6 stages & flow back.

Start Time	End Time	Comment
00:00	06:30	SDFN
06:30	07:00	Held safety meeting w/ Halliburton frac crew & Extreme WL crew
07:00	08:00	Frac stage 1
08:00	09:00	Set CFTP & perforate stage 2.
09:00	09:30	Frac stage 2
09:30	09:50	Lost X-link, flush well bore. Shut down to fix fluid.
09:50	10:20	Continue frac stage 2
10:20	11:15	Set CFTP & perforate stage 3.
11:15	12:00	Frac stage 3
12:00	12:51	Set CFTP & perforate stage 4
12:51	13:45	Frac stage 4
13:45	14:30	Set CFTP & perforate stage 5
14:30	15:00	Frac stage 5
15:00	15:40	Set CFTP & perforate stage 6
15:40	16:20	Frac stage 6
16:20	17:00	RD frac equipment
17:00	00:00	Open well for flowback @ approx 50 BPH

NEWFIELD

Summary Rig Activity

Well Name: Thayer 10-2-4-1W

Daily Operations

Report Start Date	Report End Date	24hr Activity Summary
5/12/2014	5/13/2014	Set kill plugs. MIRUSU. NU & test BOPs. PU tbg.

Start Time	End Time	Comment
00:00	06:00	SDFN
06:00	07:00	Crew travel & JSA
07:00	07:30	WAIT FOR WIRELINE TO FINISH RIGGING DOWN
07:30	08:00	USE WINCH TRUCK TO N/D TOP SET OF 10K BLIND RAMS FROM FRAC STACK
08:00	08:30	SPOT RIG IN - RIG UP
08:30	09:30	WELL STARTED TO GAS AND BLOW OIL OVER HCR VALVE - N/U 10K BLIND RAM TO CONTROL BLEED OFF
09:30	11:30	BLEED WELL OFF - N/D FRAC STACK - N/U 5K BLIND RAMS - STILL WAITING FOR DOUBLE PIPE RAMS
11:30	12:00	N/U DOUBLE PIPE RAMS
12:00	15:00	PRESSURE TEST BOPS - WHILE WAITING ON PRESSURE TEST - R/U WORKFLOOR - CHANGE OVER BLOCKS FOR TBG - R/U PUMP AND HARDLINE - PREP, DRIFT AND TALLY TBG
15:00	18:30	M/U NEW 4 3/4" CHOMP MILL ONTO NEW POBS, 1 JT, XN NIPPLE W/ PUMP THRU PLUG INSTALLED, 1 JT, X NIPPLE 160 JTS - EOT @ 5248'
18:30	19:30	CATCH CIRCULATION - CIRCULATE OIL AND GAS FROM WELLBORE W/ 110 BBLS 4% KCL
19:30	20:30	Crew travel
20:30	00:00	SDFN

Report Start Date	Report End Date	24hr Activity Summary
5/13/2014	5/14/2014	Drill out both kill plugs & 2 CFTPs.

Start Time	End Time	Comment
00:00	06:00	SDFN
06:00	07:00	Crew travel
07:00	08:00	SICP 0 PSI - SITP 0 PSI - OPEN WELL - RIH W/ 8 JTS - TAG 1ST KILL PLUG @ 5470' - R/U RBS POWER SWIVEL - CATCH CIRCULATION
08:00	09:30	DRILL KILL PLUG - 15 MINUTES - TAG 2ND KILL PLUG @ 5480' - DRILL 2ND KILL PLUG - 30 MINUTES ON PLUG - FLOWED WELL BACK @ 1 1/2 BPM @ 1000 PSI FOR 30 MINUTES - TRIED TO BLEED TBG OFF - PUMP THRU PLUG WOULND'T SEAT - WASHINGTON RUBBER STARTED TO LEAK
09:30	14:00	PUMP 60 BBLS CLEAN 4% KCL DOWN TBG - TRIED TO BLEED TBG OFF AGAIN - PLUG STILL WOULDN'T SEAT - CONT. TO FLOW CSG @ 1 1/2 BPM @ 1000 PSI - MADE SEVERAL MORE ATTEMPTS TO SEAT PUMP THRU PLUG - AFTER SEATING PLUG REPLACED WASHINGTON RUBBER

Start Time	End Time	Comment
14:00	18:30	RIH W/ 12 JTS - TAG 1ST FRAC PLUG @ 5880' - UNHANG SWIVEL - DRILL PLUG - 25 MINUTES ON PLUG - HANG BACK SWIVEL - RIH W/ TBG TAG PLUG @ 6540' - DRILL PLUG - 25 MINUTES ON PLUG - CIRCULATE WELL CLEAN W/ 130 BBLS 4% KCL - START WELL FLOWING TO PRODUCTION TANKS ON 9% CHOKE
18:30	19:30	Crew travel
19:30	00:00	Flow well to production tanks over night

Report Start Date	Report End Date	24hr Activity Summary
5/14/2014	5/15/2014	Drill out remaining 3 plugs & clean out to PBTD. LD tbg to get above perfs. Leave flowing to tanks over night.

Start Time	End Time	Comment
00:00	06:00	Flow well up csg to production tanks.
06:00	07:00	CREW TRAVEL AND JSP MEETING
07:00	08:00	SITP 500 PSI - CSG FLOWING ON 10 CHOKE @ 900 PSI - PUMP 30 BBLS DOWN TBG - BLEED TBG OFF - HANG BACK POWER SWIVEL
08:00	14:30	RIH - TAG 5TH PLUG @ 7480' - DRILL PLUG - 30 MINUTES ON PLUG - CIRCULATE FOR 10 MINUTES - BLEED TBG OFF - RIH TAG 6TH PLUG @ 7660' - DRILL PLUG - 30 MINUTES ON PLUG - CIRCULATE 10 MINUTES - BLEED TBG OFF - RIH TO 7TH PLUG @ 7880' - DRILL PLUG - 30 MINUTES ON PLUG - CIRCULATE 10 MINUTES - BLEED OFF TBG - RIH TAG FILL @ 8020' - CLEAN OUT 250' OF SAND TO PBTD @8274' - CIRCULATE WELL CLEAN W/ 180 BBLS 4% KCL - DROPPED 10 POLYMER STICKS WHILE CLEANING OUT SAND - WHILE DRILLING PLUGS PUMP RATES WERE 2 BPM AND RETURN RATES WERE 3 - 3 1/2 BPM - WHILE BETWEEN PLUGS FLOW RATES WERE KEPT @ +/- 1 1/2 BPM
14:30	15:30	FLOW WELL BACK @ 1 1/2 BPM FOR 20 MINUTES - SHUT WELL IN - ISICP 550 PSI - 15 MINUTE SICP 680 PSI - WELL BORE FLUID WEIGHT 8.5 PPG - KILL FLUID WEIGHT NEEDS TO BE 10.2 PPG
15:30	16:30	L/D 86 JTS - 92 JTS TOTAL OUT - EOT @ 5513'
16:30	19:00	LUBRICATE HANGER IN WELL - LAND TBG - BLEED OFF BOP STACK - R/D WORKFLOOR - N/D DOUBLE GATE PIPE RAMS - N/D SINGLE GATE BLIND RAMS - N/U XMAS TREE - SHUT IN TBG - FLOW CSG ON 9 CHOKE TO PRODUCTION TANKS OVER NIGHT - CSG FLOWING @ 750 PSI
19:00	20:00	CREW TRAVEL HOME
20:00	00:00	Flow well up csg to production tanks.

Report Start Date	Report End Date	24hr Activity Summary
5/15/2014	5/16/2014	Retrieve pump through XN plug. Plumb in flowline. Leave well flowing up tbg.

Start Time	End Time	Comment
00:00	06:00	Well was flowing up csg to production tanks.
06:00	07:00	Crew travel
07:00	08:00	Rig down

NEWFIELD

Summary Rig Activity

Well Name: Thayer 10-2-4-1W

Start Time	End Time	Comment
08:00	10:30	R/U DELSCO - RIH TO FISH PUMP THRU TBG PLUG - LATCH ONTO PLUG BUT DELSCO COULDN'T PULL PLUG - PUMP ON TBG TO EQUILIZE WELL PRESSURE
10:30	12:00	PLUMB TBG FLOWLINE TO FLOWLINE BUNDLE - PRESSURE TEST FLOWLINE TO 800 PSI - GOOD TEST - START TBG TO FLOW ON 9 CHOKE
12:00	15:30	PRESSURE WASH RIG AND EQUIPMENT
15:30	16:30	Crew travel
16:30	00:00	Leave well flowing up tbg to production tanks